SEQUENCE LISTING

<110> Algate, Paul A.

<120> COMPOSITIONS AND METHODS FOR THE THERAPY
AND DIAGNOSIS OF OVARIAN CANCER


<130> 210121.493C1


<140> US
<141> 2001-12-12


<160> 1739


<170> FastSEQ for Windows Version 4.0


<210> 1
<211> 264
<212> DNA
<213> Homo sapiens


<400> 1
ctggtatcac actctaccca agtcccaaaa gcaggttcac ataactcctg tcttcattat 60
ctgatatccg ggactttttc cctttcacct tccattatag gatgatgcag caagaaggcc 120
ctcaccagat accagtcctt tgatcttgga ctacccaggc ttcagaacta taagaaataa 180
atctccgttc tttgaggatt acccagtttg tgctattctg ttatggcagc acaaaatgga 240
ctaagacata ggtccaatct aagg 264


<210> 2
<211> 550
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 9, 10, 494, 534
<223> n = A,T,C or G


<400> 2
ctgaggaann tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
cctgcccggc cggncaaggg cgaaattcaa cacactttgg cggcgttacc taanggatcc 540
caacttcggt 550


<210> 3
<211> 434

```
<212> DNA
<213> Homo sapiens

<400> 3
aaatttatga aactttcgaa cagtagcaac tgaaatttgt cacttttctg ttacgcagag 60
aatcagacct tttgataata tttgggaggg taaaagaaat atgccaaata tgaaaccttt 120
ttgtcagcac tacatacatc tttttttttgc ggggggcggg ggggacagag tctcactgtg 180
tcactcagac tggagtacag tgatgcgatc tcggctcact gcaacctccg cctcctgggt 240
tcaagcgatt ctcctgcttc agcctcctga gtagctggga ttacaggtgc acaccaccac 300
gcccggctaa tttttgtatt tttagtagag atggggtttc accatgttgg tcaggctggt 360
cttgaactcc tgacctcgtt cctgccttag cctcctaaag tgccgggatt acaggcgtga 420
accaccgcac ctgg                                                  434

<210> 4
<211> 381
<212> DNA
<213> Homo sapiens

<400> 4
aaaagaaaag acacctgggc ctgggggacc actaccacca agacgcggag accagtagtg 60
gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggtaagg 120
aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
ggcccttccc tgcctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
ccattatttc tgcatatcag acatttagta ctttcactaa tttgctcctg ctatctaaaa 300
ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
acagcatcac agggagacag g                                          381

<210> 5
<211> 422
<212> DNA
<213> Homo sapiens

<400> 5
aaatggttac attgtaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
ggcctgccat gcttaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
cttgtcccgg ggcagtaggc atctccgtca aaactcttgt ccctggtctg tggtaacttt 240
ctcagctccc caacccatgt ccctcaaagt cccctcccta tagggcaaga acccagcaac 300
ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaaccctgca 420
gg                                                               422

<210> 6
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 148, 180
<223> n = A,T,C or G

<400> 6
ctgtccagtg acatctaggg aagcccagcc cccagcagca gcaggaactc ttggggacag 60
```

```
tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagttcca tagcttgact 120
ggcttctaag atgggcattg tcaagatnca gaaatctcaa agcatcccct ctttgggctn 180
catcatccaa gggtgagaaa cagcagagcc taagtgagaa gtctgagtca acaccttggc 240
tcagttttca aaatgaattt t                                         261
```

```
<210> 7
<211> 428
<212> DNA
<213> Homo sapiens
```

```
<400> 7
ctcacgttga tgtcaagact accgatggtt acttgcttcg tctgttctgt gttggtttta 60
ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa caggtccgcc 120
aaatccggaa gaaagatgat ggaaatcatg acccgagagg tgcagacaaa tgacttgaaa 180
gaagtggtca ataaattgat tccagacagc attggaaaag acatagaaaa ggcttgccaa 240
tctatttatc ctctccatga tgtcttcgtt agaaaagtaa aaatgctgaa gaagcccaag 300
tttgaattgg gaaagctcat ggagcttcat ggtgaaggca gtagttctgg aaaagccact 360
ggggacgaga caggtgctaa agttgaacga gctgatggat atgaaccacc agtccaagaa 420
atctgttt                                                       428
```

```
<210> 8
<211> 305
<212> DNA
<213> Homo sapiens
```

```
<400> 8
cctggccgtg ttggccgcct ttctggagga gggcccggaa gaaaacagtg cctatgagca 60
gttgctgtct cgcttggaag aaatcgctga ggaaggctca gagactcagg tcccaggact 120
ggacatatct tgcactcctg ccctctgact tcagccgcta cttccaatat gaggggtctc 180
tgactacacc gccctgtgcc cagggtgtca tctggactgt gtttaaccag acagtgatgc 240
tgagtgctaa gcagctccac accctctctg acaccctgtg gggacctggt gactctcggc 300
tacag                                                          305
```

```
<210> 9
<211> 344
<212> DNA
<213> Homo sapiens
```

```
<400> 9
aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattagtc caaaattaag tttt              344
```

```
<210> 10
<211> 377
<212> DNA
<213> Homo sapiens
```

```
<400> 10
aaaaccttta gcatttctgc ctataatatt tgggttttct tcttttccta tctttatttg 60
ataagtccca tcaaatattt tccccataat cacaatgttt tcttttcact ttgctcaaga 120
```

```
actgagttat gagctccaaa atttggacaa actctacatt ggctaagttt tagtcatttg 180
cactgctaag aaagatgaca attcagcatg ctgaagatga cttcctccct tataaagggg 240
ctaacacaga gggcaatact gttcatgctt ctgattcttg atcacaagaa ttgctttagg 300
caattacaat catgtctcct ctgacacatc atattattca agtgagacag agaaagaaga 360
tgtcctatgt cacacag                                                 377
```

```
<210> 11
<211> 381
<212> DNA
<213> Homo sapiens
```

```
<400> 11
aaaagaaaag acacctgggc ctggggggacc actaccacca agacgcggag accagtagtg 60
gccccaaatg ccaggctgca ctgatattta ttggatataa gacaaagggg cagggtaagg 120
aatgtgaacc atctccaata ataggtaagg tcacatgggt catgtgtcca ctggacaggg 180
ggcccttccc tgcctggcag cagaggcaga gagagagaga agagagagag acagcttatg 240
ccattatttc tgcatatcag acatttagta ctttcactaa tttgctcctg ctatctaaaa 300
ggcagagcca ggtatacagg atggaacatg aaagcggact aggagcgtga ccactgaagc 360
acagcatcac agggagacag g                                            381
```

```
<210> 12
<211> 219
<212> DNA
<213> Homo sapiens
```

```
<400> 12
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtggcatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaa                         219
```

```
<210> 13
<211> 355
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 344, 348
<223> n = A,T,C or G
```

```
<400> 13
aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60
tgattatttta cattttagta attggacaat cccggctcag gaggaggttg caagaatctg 120
caaaagttgg agggagcgcc ccaggagaac aaacagcaag ccttatttcc cctagcccat 180
cccccaaaaa accatccatc ccatcctagt gtctggtggt gtccggtggt gtccatcttc 240
cattccttcc caaattatgg aagtaaggtt cttctcacca gaataagagc acttgggata 300
acagagtagg gtcccctcac ccaaaaaaaa aaaaaaaaa aaancttngg ggaaa        355
```

```
<210> 14
<211> 658
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 467, 527, 550, 579, 583, 600, 608, 616, 623, 625, 640, 655
<223> n = A,T,C or G

<400> 14
gaaaagttcc cattcaggtg tcttggaaat tgaaaattca gtagatgatc tgagtagcag 60
aatggacata cttgaagaaa gaatagacag tctagaagat caaattgaag aattctctaa 120
ggatacaatg caaatgacca acagataat  tagtaaagaa aggcaaagag atatagagga 180
gagatctaga agttgcaaca ttcgtttgat aggaattcca gaaaaggaga gttatgagaa 240
tagggcagag gacataatta aagaaataat tgatgaaaac tttgcagaac taaagaaagg 300
ttcaagtctt gagattgtca gtgcttgtcg agtacctagt aaaattgatg aaaagagact 360
gactcctaga cacatcttgg tgaaattttg gaattctagt gataaagaga aaataataag 420
ggcttctaga gagagaagag aaattaccta ccaaggaaca agaatcnggt tgacagcaga 480
cttatcctgg acacactgga tgctagaagt aaatgggagc caatgtnttc aaaggtcttg 540
cttggaaaan ggctttaat  cctagaatct tttttccanc canattgcct tttgatttan 600
ggggtaancc aaaggntttt ttntnttgaa gaatttagcn gatttgtttg cattngcc   658
```

```
<210> 15
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 505, 521, 546, 560, 563, 575, 594, 596, 626, 639, 689, 691
<223> n = A,T,C or G

<400> 15
ctgcaattac atcatttttt atctatcttc tgcttttact ttgtgtaggg tagggatggg 60
gacttacaaa tgggccaaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
gagatacaaa gaaagtaact ctccctctta tgaaaagcaa ccaggaactc tactccagtt 180
atgagggcca ctgatggtgt gggagagcta tcaagaagat tcttcctaga cgtggtgcaa 240
agacagtgag aacccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
ctattctatc tcaactttgg ccccatcaaa tctaatgata aacaaaagaa ggtaattaca 360
tgtagaaaat caaagtgaat gggaatgtgg tggtgtgaac ataaaagaag aaattgaaaa 420
caatcaaaag tttctcagtg ctgctttccc gcactgtcat agaaatctct gatccaattc 480
ttcatatgtc taacttccaa ggaancgggc taacagcaca nacataggat ccaaggcatt 540
cttggngcgg aaaattaagn ggngggcccc ctttngaatg gggactgcaa ccananggct 600
gggaaatcct tatactcccc tcccgnccgg ggctaattnc cattggtgaa acaatgttgg 660
gggggaaaaa aggttttgct cctacctana ngaaccagag ggcttgttcc ccc        713
```

```
<210> 16
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 539, 551, 560, 563, 593, 601
<223> n = A,T,C or G

<400> 16
ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaaatgtt caataaatat 60
```

```
tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat tctctgaatg tgcaataaaa gaagtacttt gtaaaaagtt 300
atgggcaaaa tgtacaaggg cctaaaccta gactaattga aatagcacca taacaaatga 360
cctcaatact gtcaagtgca cctacttaat aaaagtttta gaacaaggca caatacactt 420
gaaaatctat tgcactttag gaaatttttg ccgtcttcct atgccactgt aaaaagatgg 480
agcgttttga tcaccgcatt ctggacctcg ggccgcgacc cacgctaagg gcgaaattnc 540
agcacccctt ngcgggccgn ttnctagtgg gatcccaact cggtacccaa acnttggcgt 600
naatcatggg ccatta                                                 616
```

```
<210> 17
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729,
733
<223> n = A,T,C or G

<400> 17
ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaaggtt ggcatggaag acactgcaat aaaaggtacg aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt ccttttaagt tttctaagta cgtctgtagc atgatggtat 420
agattttctt gtttcagtgc tttgggacag attttatatt atgtcaattg gatcagggta 480
aaattttcag tgtgtagttg gcagatattt tcaaaattac aatgcattta tggtgtctgg 540
gggcangggg aacatcagaa aggttaaatt ggggcaaaaa tggcgtaagt cacaaaaaat 600
tggaatggtg caagttaatt gttgaaagta cancaatttc anatttattg gcananattt 660
agangttggt tacattttta cttggccgga acacctaang gcgnaatnca cacactggng 720
gcngtatang ggn                                                    733
```

```
<210> 18
<211> 148
<212> DNA
<213> Homo sapiens

<400> 18
ggcaggtaaa gtaagtcgtt tccttttatt tgaacaccta ggggccattt tagagttata 60
attagcccaa tttctatatc attttgtctc agggaataga agcgtgaggg agggagagag 120
ttgggggaat ggctggttgg tagagtgg                                    148
```

```
<210> 19
<211> 130
<212> DNA
<213> Homo sapiens

<400> 19
aaaagacctc aagaaagcaa cgaaaggaac gcaagaacag aatgaagaaa gtcaggggga 60
```

```
ctgcaaaggc caatgttggt gctggcaaaa agccgaagga gtaaaggtgc tgcaatgatg 120
ttagctgtgg                                                        130
```

```
<210> 20
<211> 341
<212> DNA
<213> Homo sapiens

<400> 20
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggacccccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g              341
```

```
<210> 21
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619,
622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685
<223> n = A,T,C or G

<400> 21
ctgttgaaat gaagcacttt acagtctttg tggcagcaga atatacttgt ccatggttca 60
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcaccca aatcttcaca 120
tggaggggga gggggtgggg aaaagaagga aaaaagggga aaaacaacca aaataattta 180
agtaaatgac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240
ttaaactcaa tttatagcta tgttaaacta cgtaagaacc actatactga aagaccattt 300
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360
acctaaagaa gtttaactga agcttagaac tattttgctc tacaccctca gctttcgttg 420
gnatccttat aaactactgt attaaaggtt ttgtagaaac agcacagttn tttaagactg 480
gcttgaactt attangccgt caanagttct cttgnactan nacctgtgtc ccttgagagt 540
cctcgctggg gttatttcct ttccttnntt tgaaaaancc agcttttaaa aaatttaaaa 600
ggggtttctt ctngcagana tnccntaag tanccacntn ccttatcctg agaanggcna 660
cacncactta ntttaccgct ttntnttttc caaattac                         698
```

```
<210> 22
<211> 58
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 22, 26, 34, 35, 43
<223> n = A,T,C or G

<400> 22
tcccaggccg atctcaaact cntganctcc taanncacct gcntcagacc cccaaagt   58
```

```
<210> 23
<211> 332
<212> DNA
<213> Homo sapiens

<400> 23
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgcccaac 60
tgtcaacctt gacaaattgt ggactttggt cagtgaacag acacgggtga atgctgctaa 120
aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggcctgtgtc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg ctaactactt tt 332

<210> 24
<211> 273
<212> DNA
<213> Homo sapiens

<400> 24
aaaaaggtgg tagaggacat tgaatacctg aagttcgata aagggccgtg gctcaagcag 60
gacaatcgca ctttatacca cctgcgatta ctggttcagg ataagtttga ggtgctgaat 120
tacacaagca ttcctatctt tctcccggaa gtcaccattg gagctcatca gactgaccgt 180
gtcttacatc agttcagaga gctgccgggc cgcaagtaca gccctgggta cagcaccgag 240
gtgggagaca agtggatctg gctgaagtga acg 273

<210> 25
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 553, 556, 564, 598
<223> n = A,T,C or G

<400> 25
aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60
tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggtatgt 120
tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattgtt gaaagatgaa gaacgaaagc tacttgttga tcagatgagg 300
aagagatccc ctagagtaaa tctgtgcatt aaacctgtaa cttcatttta tgatatccca 360
gcttcagcaa gtgtcaacat tggtcagtta gagcatcaac ttatattgtc agtggatcct 420
tggaggatta gacaaatttt aattgaatta catggtatga cttcagaacg ccagttctgg 480
acagtgtcta ataagtggga agtaccttct gtctatagtg gtgttatcct gggaattaaa 540
gacaatttaa cangangatt tggnttatat tcttatggga cctgcccggc ggccctcnaa 600
agggcgaatt cacac 615

<210> 26
<211> 714
<212> DNA
<213> Homo sapiens

<220>
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<220> misc_feature

```
<221> misc_feature
<222> 562, 568, 573, 575, 578, 593, 614, 623, 629, 635, 665, 673,
682, 684, 702, 705
<223> n = A,T,C or G

<400> 26
ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180
ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240
gtgtgttaag agtgataagt aaaatgcacg tggagacaag tgcatcccca gatctcaggg 300
acctccccct gcctgtcacc tggggagtga gaggacagga tagtgcatgt tctttgtctc 360
tgaattttta gttatatgtg ctgtaatgtt gctctgagga agcccctgga aagtctatcc 420
caacatatcc catcttatat tccacaaatt aagctgtagt atgtacccta agacgctgct 480
aattgactgc ccttcgcaac tcaggggcgg ctgcatttta gtaatggggt caaatgatta 540
ctttttatga tgcttccaaa gngccttngc ttntnttncc aacttgacaa aangcaaagt 600
gagaaaaatg atcntatttt acnttaccna cagcngggac ccctttttta ataactggca 660
ccttnttttc ctnccggcgg cntnaaaggg gaattccccc cntgngcgtt ctag       714

<210> 27
<211> 401
<212> DNA
<213> Homo sapiens

<400> 27
ccatcatcgc acaaggaaac tggtttcata ctgaagttta agactgagtt ctacacctgt 60
gggcttctac actacggaac gggagtgggg gggctgaaaa gcttattaat atactttgtc 120
ttagcccaca ctgcaaatac agcactatta tggcatctta atcaagcaga gagctgttca 180
catgctttct acagtatctt tataaataaa aggttccttt atccaccaaa caacacctga 240
aatgatctaa gttcaaaaca ttagtataca aggacctaga taatgggaca tgtgaaaact 300
tagtacattc aatttaggtt ttggacactt agttggataa acaagtttat ttgtaaattt 360
agtcaacata cataattgac ctaaaaactt cagtaaattt t                     401

<210> 28
<211> 444
<212> DNA
<213> Homo sapiens

<400> 28
ctggcaacaa acctgaccac atgattaagc ctgttgaagt cactgagtca gcataaataa 60
agactgcaca ggagaattac ccctatacct gagcctcaac cttctggggg aaggggaact 120
agataacata cttcttactt gtctgtacag taccttgttg cagatgggtg atatataatg 180
gtaatagaat agcacagcca gacttgcttc ctgcatggta gggagagaca caaaagatgg 240
gaaactgctt ttccacaagg aatctccgta gaattttgcg gcgaccagat ggtgcatagg 300
tctggaaggt ctgatctccc ttggtcttcc atgggatggt tagtgtggag gggagatata 360
gattgtccgg ccgctttgtg attccatgga ttgattcagt cttctggatt ttttttttctt 420
tatattttgg gtactggagc tttt                                        444

<210> 29
<211> 159
<212> DNA
<213> Homo sapiens

<400> 29
```

```
gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaaccat caccccttgag 60
gtcgagccca gtgacaccat tgagaatgtc aaagccaaaa ttcaagacaa ggagggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag             159
```

```
<210> 30
<211> 168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 49, 117, 134, 136, 142, 161
<223> n = A,T,C or G

<400> 30
```
```
cctcgagtct agtgaggcgc ntcagaaatt cgcaggagcc aaagccatnt catctgacat 60
gttctttggg cgggaggtgg atgcggagta tgaggccagg tctcggccgc gaccacncta 120
agggcgaatt ccancncact gncggtcgtt actagaggat ncaagctc          168
```

```
<210> 31
<211> 685
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 317, 326, 331, 336, 353, 371, 377, 384, 386, 408, 426, 430,
439, 495, 529, 538, 564, 575, 587, 597, 604, 608, 621, 624,
634, 641, 645, 652, 667, 668
<223> n = A,T,C or G

<400> 31
```
```
aaatttgagg tggtcttaag aataacaaat gaacagaatt ccaatttttt gaaataggtg 60
aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca agaccagcaa 120
tgtaacttta ttttgtacat ttttgaattg aaaatataaa caataattaa aaaataaaaa 180
gaaaatacag cataataaaa aacatacgct tctcaattaa atgtactgga tacatataaa 240
ttttaaggga agaagcaaaa aaggaaaatg attgatattt aagtgcagac tgactaccta 300
gacaaaaaaa aaaaaantta aaaaantttc ntaaancctt tagttttttt atnactaata 360
tccatatggt nggagtntcg ccantntgga agggattttg ttatgttngc atatgttaca 420
ctttcngggn aattacatna tggctttaa ggccctggga ggcttggttt ttggaaacaa 480
aattggataa aaatncttgt taaaacgcaa taccccttat ttttttggnc ccccattngc 540
aaaaaaaggg aaaattcctt ttanattttt ttacncccaa atgcctnaac ttttacnttt 600
accntggncg gaacccctta nggngaattc cacnccttgg nggcnttcta gnggatccca 660
cttggannaa ctgggggaaa atggg                685
```

```
<210> 32
<211> 159
<212> DNA
<213> Homo sapiens

<400> 32
```
```
gctgacgcaa acatgcagat ctttgtgaag accctcactg gcaaaaccat caccccttgag 60
gtcgagccca gtgacgccat tgagaatgtc aaagccaaaa ttcaagacaa ggagggtatc 120
ccacctgacc agcagcgtct gatatttgcc ggcaaacag             159
```

```
<210> 33
<211> 283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 84, 90, 93, 94, 102, 113, 127, 130, 131, 189
<223> n = A,T,C or G

<400> 33
gtagttctga acgttagata ttttttttcc atggggtcaa aaggtaccta agtatatgat 60
tgcgagtgga aaaatagggg acanaaatcn ggnnttggca gnttttccat ttncatttgt 120
gtgtgantcn ntaatataaa tgcggagacg taaagcatta atgcaagtta aaatgtttca 180
gagaacaant ttcagcggtt cactttataa taattataaa taaacctgtt aaattttct 240
ggacaatgcc agcatttgga ttttttacc tgcccggggc ggc                  283

<210> 34
<211> 349
<212> DNA
<213> Homo sapiens

<400> 34
ccaacatctg gcttctaaag gaaaggcttt tggtctttc aatcacttgc tgataggggtg 60
agactgcatt gttacccata accacatgac ctaatttaga atcaatcttg gcatccagtc 120
ttgcatttct aatcaaattt acaatccacc tttcagcttc ttctggagtc atgttcaatt 180
tatctgccaa catgttaatg ctgatacact ggtggatgcg acagaaagtc tcaaatatga 240
agagacgggc attttcaatg aaatcctcaa gacaagccac caagaagaag tcattcacaa 300
gcactgattc acattccctc agctttttct gagccccatc aaagtcaaa              349

<210> 35
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526, 540, 565, 568, 576, 582, 584, 591, 608, 650, 695, 708,
712, 729, 730, 732
<223> n = A,T,C or G

<400> 35
attttgtttt ataaccactt ctaaatattc tcggttcttt cttttgttg ttgttaatta 60
aggggttttg gttttgtttt ctgtttactt tgtgtgcaac tacctgcttt taatgactca 120
ctttgatcaa atgacagtga acaaagccag cccaagctgg taaggtgctg ttcacttgaa 180
caggtgctgt tgcgcagaaa ggaaactctg tgactaattt agatagtggc tttccttctt 240
ctggattctt ttcattgaat tctcacagta aatatttacg gagttttcaa attgcagcaa 300
atatactgta tgagaaaata ttaatacaga ttaaaagcct ttcttacatc ttgaaaattt 360
tctaatattt gagaatttca cagggatgtt ttttatattg gacccttttg actttccagt 420
cctgtgactt tctactttta gtagagagtc agaatctctg gactggagaa taatgaagaa 480
gttcactgac tgtgcactgt gcttagagac ccctgccgca ccacantgcc aatgcttgtn 540
agacacatgc ccttcggcag cattncanac caggangdga ananaaagaa naaaacttt 600
tttccttnta cttaaaaaat taggcagctt aaaaccttag ggttttttn ttaacataac 660
```

```
caaatttcaa tctttcctta tttgacactg ggtanaactt ttgtttgntt anactttttg 720
gtacccagnn an                                                      732
```

<210> 36
<211> 119
<212> DNA
<213> Homo sapiens

<400> 36
```
aaagccatca ttatatatta aaagagcaga ggtaattctg tcttctccgg ttgtgcagca 60
cgatctgctc cagctcgtca tgccagggcc cggaaaacct ccaccttctc ccggtacag  119
```

<210> 37
<211> 342
<212> DNA
<213> Homo sapiens

<400> 37
```
ccactttctt tcccacctgg gaaggcggca tctatgactt cattggggag ttcatgaagg 60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
cccgctgcat tcccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct 300
ggatgataac acgctatgat ctgtaccaca ccttccggcc ag                    342
```

<210> 38
<211> 444
<212> DNA
<213> Homo sapiens

<400> 38
```
aaatgaagtc tcctgaagac ctctcttctg gcaaaaaaaa cacgtatcag actctgggaa 60
aacattcaga cccacttcta gctattactg aaataaatga ttagaaagtt acgttggtga 120
gccgaagtta aacctaaagc tatccctgg atctttctag caataaaccc atgttgaacc 180
taccatgaaa actttcattc actgtgcttt tggttacgtt gcttcctgat tagtcattaa 240
ttttaatgag gttttttcct tgtgttgagt atgaatagac cttacagttt gaggatctct 300
agaattccct gaattattgg aaagacattc atgactccca gtgtgactag ttaagagccc 360
cagggagcct gtgaagacta gaatctacaa gtaacctgca ctaagaacga aattcagtaa 420
aggagactca agcttagctc ctgg                                        444
```

<210> 39
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 354
<223> n = A,T,C or G

<400> 39
```
aggtcactgg aatcaatagt taacaagatg gttgtccttt ggggccacag gtgtgttgct 60
aacctccact tttcttcctg atttgctttg ctttccgggg tttgaggatg gtgtagttta 120
cgtacactgt atactgatct gacaggaagg ggacatagaa tgcccgcagc agctttgaag 180
```

```
atctagaagc atcaaggaat ggtctatagg ccaagctgat ccattcttct ttattggatg 240
aatattttgg ctcccggggt gtttctctca tggtgtccaa atccactaaa taatggcatt 300
tactgatatc aatatatctg gatggctctt ctagattctg gtcattcatg tcantaggaa 360
caatccgggt gg                                                    372
```

```
<210> 40
<211> 288
<212> DNA
<213> Homo sapiens
```

```
<400> 40
aaagcaaata caaaacagaa cagaggattc aaaccgcaag tatgggagat ttaggccctg 60
cagaggcaga ccattcctta gtatctcaca aagcagagta atactggagg cagagtaggg 120
ggtggttgga gagcagttag tacaaagagg cagaacagtg tctggtttac ttggcataca 180
cagaatctgc actgccggtt ccagaactgc aaagttggtg aactacagga gatgtgggta 240
tttagactcc aaagtttata ctgagctcag tgcctgggac cgctccag            288
```

```
<210> 41
<211> 682
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 487, 515, 563, 565, 600, 615, 618, 626, 634, 638, 664, 669,
673
<223> n = A,T,C or G
```

```
<400> 41
cctgagaccc tcaacagtgc tgtgtgtaca gaaggccccc agaatccaca caaagggggcc 60
gcctgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactggtgga ttttaatgag agtcctgtgt ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagtagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggctgg tacacgcttt tgtttgctta cgcttgttga actgagtttt 360
tcatatgtaa ctaacgaata ctggcacatg atctgaacgt ctatgacact ctttcgagct 420
tgacacagtg aagaacatag aaggagactc acccatctgc cagggtcaca gaatgatcat 480
actcaanatt ttctggggag tcaatggcaa atttnctggg tattttacag atgaagaagg 540
acttaagaag gtcttgggac ccnantcacg gacacccctt actgattttt ggaacttgtn 600
tttggacttc gccgnacncc ttaggngaat tcanaccntg ggcgttctta tggatcccac 660
tcgnccaant tgngtaatat gg                                        682
```

```
<210> 42
<211> 346
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 250, 265, 269, 294, 299, 306, 317, 328
<223> n = A,T,C or G
```

```
<400> 42
aaagccaact cttctatata atcagtttga tgatctgaat tagaaaatac cgctggataa 60
```

```
tcatgttctt gatacacatt tccttttttt ttgagatgga gtctcgctgt tgtccaggct 120
ggagtacagt ggcgcgatct tagctcaccg caacctccgc ctcccgggtt caagcgattc 180
tcctgcctca gcctcccaag tcactgggat tacaggcgta caccaccatg ccgggctaat 240
tttttatgn ttaggcagat ggggnttcnc catgctggtc cgggctggct tgangcccnt 300
ttcttnatag ggccatnagg ggaaaagngc ttgcctaacc ccccat           346
```

<210> 43
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261, 281, 287, 305, 309, 311, 317, 323, 343, 349, 354, 358,
388, 394, 397
<223> n = A,T,C or G

<400> 43
```
ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaatgtt caataaatat 60
tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat nctctgaatg tgcaataaaa ngaagtnctt tgttaaaaag 300
ttatngggnc naaatgntcc aanggcctta aaccttagac ctnattggna attngccncc 360
cttaaccaat ggaccctcga attcttgntc aagnggnacc ttccttcatt         410
```

<210> 44
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 266, 275, 325, 347, 349, 354, 410, 415, 419
<223> n = A,T,C or G

<400> 44
```
aaataataca gaacaattaa agctaaccaa gtgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
acttccaaca tactagcggt caaactaccg aataaacttg atgcagacca gtattcccaa 180
gttgcaatag tatccaatga ctttgctgaa atgcataaaa tggacaagcc taggtatctg 240
cgcaaccagc aggttttttt tttgtnccaa ggctngagaa tgcctggtaa aagcttgcca 300
gaaaactctc aaaaggaact ggttncttgc ccttcttttt ctttaanana cttnaaaatt 360
ttgaataaaa aacccttcct ggggtttttgg aacaatttct aaaggggttn cccanattnc 420
ctcccccaaa aaaattttta agcttccttt ggggagg               457
```

<210> 45
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 90, 185

```
<223> n = A,T,C or G

<400> 45
gaagactatt ctcagcaatc agactgtcga cattccagaa aatgtcgaca ttactctgaa 60
gggacgcaca gttatcgtga agggccccan aggaaccctg cggagggact tcaatcacat 120
caatgtagaa ctcagccttc ttggaaagaa aaaaaagagg ctccgggttg acaaatggtg 180
gggtnacaga aaggaactgg ctgccgttcg gactattttg tagtcatgta cagaacatga 240
tcaaa                                                             245


<210> 46
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 151, 190, 200, 214, 225, 226, 248, 270, 274, 279, 282, 289,
290, 303, 306, 309, 315, 320, 331, 333, 338, 349, 352, 358,
359, 365, 369, 374, 378
<223> n = A,T,C or G

<400> 46
aaatgagggt ttaataatct taattatcta ccaaaagtag attacgacgc atgaagatca 60
cataaaatga acttcacttc tcagcatcac aaacatttgg aatacaaaaa gtccagggat 120
ggatattaga agtaagaaaa gtacaaaaga ngtttgctta gaaataacaa aaaattaaaa 180
aaaaaaaaan ggatcccccn tcccccaat cccnataatc ggggnntagg caaccatcgg 240
ggtaaagnct ccctttttgct cactcctgtn taanaatgng gngcccacnn aactggtttt 300
ttncanttnt tgtgngccan aaaaaccctc ncncccctngc ccggggggng gncgtttnna 360
aaagnggcna aatntccnag c                                           381


<210> 47
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 19, 50, 145, 151, 155, 262, 267, 273, 287, 311, 327, 328,
331, 342, 353, 355, 356
<223> n = A,T,C or G

<400> 47
ccgggcangt aaatttgang tggtcttaag aataacaaat gaacagaatn ccaaatttt 60
gaaataggtg aactgctgca gttacaggta tacatttagg aaaactgtat agctcttaca 120
agaccagcaa tgtaacttta ttttngcatt nattnaattg aaaatataaa caataattaa 180
aaaataaaaa gaaaatacag cataataaaa aacatacgct tctcaattaa atgtactgga 240
tacatataaa ttttaaggga anaagcnaaa aangaaaatg attgatnttt aagtgcagac 300
tgactaccta nacaaaaaaa aaaaaanntt naaaaaaatt tnattaaccc ccntnnactt 360
tttg                                                              364


<210> 48
<211> 486
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 325, 344, 381, 426, 438, 450, 455, 465
<223> n = A,T,C or G

<400> 48
ggcggctacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60
agcaagtgag tgcacttcca ccacctccaa tgcaatatat caaggaatat acggatgaaa 120
atattcaaga aggcttagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180
ttggcaatca gtcccaatgt gatgatctta tcatccgccc tttggaaagt cagggcatcg 240
aacggcttca tcctatgcag tttgatcaca agaaagaact gacaaaactt aatattgtct 300
atccttatta atttctttgg gaccnttcag atattttaat taanggagcc cctgggagtt 360
taaaacgaga aagagaaact ngaaagatct taaagctggt tttttgtaca cgtgcatcat 420
cttatnaatg aataccgncc ccaccaagcn agaanaacct tgaantcatg atggagggcc 480
agaaac                                                          486


<210> 49
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 285, 323, 328, 343, 353, 354, 357, 373, 385
<223> n = A,T,C or G

<400> 49
aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatagcttc 60
aaaactgcag tggcgagtgt ccatctctta gttagctacc ttaactgtcc acccttacta 120
cctgtgggat cgttacctgg tttgtcttct ctgtgtcctg gagcaaagcc agttcctaaa 180
actaaaactc cattctagtc ttgggaagaa aagtttctac tcagaactgg ggaaggagtg 240
gaacttatga cttgggcctc taggctgtct ctgtcccctc agctncccga catgcattta 300
ctctctgccg ggggtctgca gtnggttnca accctaccct ctnttttggc ctnnagnctt 360
tacaacccaa ggnaagaagg gcctngggct cttccct                         397


<210> 50
<211> 92
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 72, 84, 85
<223> n = A,T,C or G

<400> 50
cgcgtgaaga ggaagaatgc caagaagggc cagggtgggg ctggggctgg agaccgacga 60
ggaggaggat tnagtccact tgtnnctctg gg                              92


<210> 51
<211> 306
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 219, 254, 256, 284, 296, 302
<223> n = A,T,C or G

<400> 51
aaagtatatg gaagatgtgc aaaggttata tgcaaatact gtaatatttt atataaatga 60
cttgagcacc tgcagatttt ggtatccctg agagttcctg gaaccaatcc ccttcagata 120
ccaaggaatg actgtacatg tttggtagaa aactagttgt ctctacctag tctccattct 180
ggtcacttct ttagtttcct aatttcagag taaggccant ctccttctgt gatggttaat 240
tttgtgtcaa cttnantgaa ccaagggatg cccagatacc tggntaaaca tttttncacg 300
tngtgt                                                           306

<210> 52
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 326, 334, 345, 366, 368, 393, 397, 418, 452, 458, 473, 479,
488, 501, 502, 504, 511, 515, 516, 540
<223> n = A,T,C or G

<400> 52
aaaatgttac acaaatttct ttatgatagg acttctcaga gcttttagca ttctaatgca 60
gagtggaaat gtgaatggca ggattcagta taatcagcac gtcccaactc tatctgaaca 120
cagaactctt gttctgcata tcatcgattt gcacaccctg gaacaacgtt tggtagaaat 180
caacttggga aatgttgcac agcatgagtg atgaatacag ctaagttagg atcaaagtac 240
aggcgtatct cgttttactg cacttcactt tactgagctt catagatatt gtgcttttac 300
aaattgcacg tctgtagcat cctccnttga caantctatt ggtgncattt ttccaagagg 360
atatgntnac ttcatgtctc tgggtcacat gtngggnaat tctcacaata tttcaaanat 420
cattattatt ttatcttgtt ccggtgacct gngggcangc gagctttat gtnactatng 480
tatgattngg agggcccgcg nntnacaacc ntttnnaatg ggtagctgta tttataaatn 540
g                                                                541

<210> 53
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 188, 214, 221, 249, 250, 267, 305
<223> n = A,T,C or G

<400> 53
aaaaaaatcc aaatgctggc attgtccaga aaaatttaac aggtttattt ataattatta 60
taaagttgaa ccgctgaaac ttgttcactg aaacatttta acttgcatta atgctttacg 120
tctccgcatt tatattaaaa attcacacac aaatgaaaat ggaaaaactg ccaatacctg 180
atttctgncc cctatttttc cactcgcaat catntactta ngtacctttt gaccccatgg 240
aaaaaaaann ttaaccgttc aggactnccc attaccggaa gaaaaaaaat tttttttttt 300
ttggnaaaaa aaaaagttcc c                                           321
```

```
<210> 54
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 394, 457, 481, 485, 510, 528
<223> n = A,T,C or G

<400> 54
aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccctg cccccagaca ccataaatgc attgtaattt tgaaaatatc tgccaactac 180
acactgaaaa ttttaacctg atcaattgac ataatataaa atctgtccca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagaagta 300
aatatcagct cagtgattta tnatgaagct aataaaattc aaggccagta ttcttaagtg 360
taatgaacat tatttgaaca ttcacacatg aaanggtaac aaagggctat gaacttgggg 420
taactttaaa acgtttcaga tgtccggagt tcaccanatg taattggatt caggtgggat 480
nccgncgctc ctcggccttt ttaagtgaan gcgtgtgctg cctgactngg cgcctgcttg 540
gcctcag 547

<210> 55
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315, 321, 327, 336, 358, 364, 367, 369, 383, 392, 425
<223> n = A,T,C or G

<400> 55
aggagacagc cagaagcaag cttttggagc tgaaggaacc tgagacagaa gctagtcccc 60
cctctgaatt ttactgatga agaaactgag gccacagagc taaagtgact tttcccaagg 120
tcgcccagcg aggacgtggg acttctcaga cgtcaggaga gtgatgtgag ggagctgtgt 180
gaccatagaa agtgacgtgt taaaaaccag cgctgccctc tttgaaagcc agggagcatc 240
attcatttag cctgctgaga agaagaaacc aagtgtccgg gattcagacc tctctgcggc 300
cccaagtgtt ccgtnggtgc nttccanaag cagggngtat gctcacattc atggcctntg 360
acancgnang aagaagtggt gtngatggag cngacgtccc taatgtccgg cttgagagcc 420
ccacncccgc gctcctgcc 439

<210> 56
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 303, 332
<223> n = A,T,C or G

<400> 56
```

```
aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacccctca attcactcat  60
atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agtttttattt 120
atttattttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180
tggcctcggt tcactgcaac cttcgcctcc cgggtttaag caattctcct gcctcagcct 240
cccaggtagc tgggattaca ggtgcatgct actgcgcccg gctaatttat gtatttttat 300
tanagatggg gttcaccata ttggacctcg gncggacca                         339
```

<210> 57
<211> 432
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 162, 172, 232, 240, 246, 252, 271, 273, 296, 313, 324, 370,
380, 418
<223> n = A,T,C or G

<400> 57
```
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga  60
agacggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc accctgtatg angacccccc anatcagaaa 180
acctcaccca gtggcaaacc tgccacactc aagatcttct cttggaatgt gnggatgggn 240
ttcaancctg gnttaaaaaa aaaggattat ntngggtaaa ggaagaaccc cagatntact 300
gtgccttcaa ganaccaatg ttcngagaca aactccagac ctcggccgcg acacctaagg 360
cgaattccan acactgcggn cgtctagtgg atcgactcgt ccaacttgcg tatctggnat 420
actgtttctt ga                                                      432
```

<210> 58
<211> 217
<212> DNA
<213> Homo sapiens

<400> 58
```
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc  60
ttgttggatt gttattttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt ttactacaaa aaaaaaaaaa aaaatat                           217
```

<210> 59
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 252, 285, 298, 332, 337, 415, 445, 469, 472, 473, 479, 487,
494, 515, 531, 543, 551, 557
<223> n = A,T,C or G

<400> 59
```
cctacacgcc gccgcttgtg ctgcagccat gtctctagtg atccctgaaa agttccagca  60
tattttgcga gtactcaaca ccaacatcga tgggcggcgg aaaatagcct ttgccatcac 120
tgccattaag ggtgtgggcc gaagatatgc tcatgtggtg ttgaggaaag cagacattga 180
```

```
cctcaccaag agggcgggag aactcactga ggatgaggtg gaacgtgtga tcaccattat 240
gcagaatcca cnccagtaca agatcccaga ctggttcttg aacanacaga aggatgtnaa 300
aggatgggaa aatacagccc aggtcctagc cnatggnctg gacaacaaag cttccgtgaa 360
agacctggag cgacttgaag aaagattccg gccccataga ggggctgggg tcacnttctg 420
gggcctttcg tgtccgaagg ccagncacac ccaagaccac ttgggccgnc cnngggccng 480
cacccgnggg gtgntgtccc aagaagaaaa taagnctttt aggacctccc ngggcggggc 540
ttngaaaggg ngatttncag gccact                                      566
```

&lt;210&gt; 60
&lt;211&gt; 234
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 221
&lt;223&gt; n = A,T,C or G

&lt;400&gt; 60
```
cctgggtgcc tactctggga gcagcgactc cgagtccagc tcagacagcg aaggcaccat 60
caatgccacc ggaaagattg tctcctccat cttccgaacc aacaccttcc tcgaggcccc 120
ctagtttctc cgtccctaca cagggagctc ctccccaagg gtagatcgga ccgttcatgc 180
tgcctatagg cattatgtcc ctcaaaaaaa aaaactcctt ngcctgcatc ctgt        234
```

&lt;210&gt; 61
&lt;211&gt; 375
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 215, 340, 344, 362
&lt;223&gt; n = A,T,C or G

&lt;400&gt; 61
```
ccaccatttc ccctgcatcg tctctcctac gtaatcagtc cctgatgaac tctcttccca 60
taaaaatccc tgtgtcctaa agtcatggcg tgctctattt catggtcatt tgtagagcac 120
agcagcactg tgcctgtcag gaaaagtgtg tgctaactgc aataagcatg atgactgcca 180
tcacggtttt gttattctct gtccacctcc atggnctcta aatcagacaa tctttaatct 240
gaaaaggcag tgtccttatt cctccaggaa actggataga aaagctcctc atctaatgaa 300
gcaagccctg tcatcttact gattctttcc cagaccacan gtgnaaaggg gccttcggcc 360
gngaccaccg ctaaa                                                  375
```

&lt;210&gt; 62
&lt;211&gt; 455
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 249, 251, 305, 309, 313, 328, 334, 340, 350, 372, 384, 390, 394, 401, 408, 413, 422, 440, 441, 442, 450, 453
&lt;223&gt; n = A,T,C or G

<400> 62
gggtgggaag agaagaaata gcagagccta ttttggtgag gttttttgtt tttaagtcaa 60
agaagactca gtatgctttc cctgaggaat gaaaaaggga ttgaggagtt gcctgactcc 120
tgggtgggtg gggtacaggc agttaggtgc tgaatgaagc tgccatcctt gctgcagctt 180
ctaactggta aaaagatcca gggatggaga tgggaaggtt agaaaggcag ccctcacctc 240
tgaggacana ngccggggtc caggcccctg ggcgcaaagg tgcctcatag catagccagc 300
atttnagtnc tcncaaacct actggccnca tttngggctn aggggtggan cctgctccgg 360
gccggcccct tnaaaatggc gaanttccan cacncttggc nggtccgntg ccnattggga 420
tnccccctc ccgtacccan nnctttgggn ttnat                          455


<210> 63
<211> 560
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 332, 455, 490, 532, 541, 548, 559
<223> n = A,T,C or G


<400> 63
ctgacctgac tttgctttag gtcattcttt tttatgccag cactgtttga aagtgcatgt 60
caagcggcta gctccacatt tggtcttcga aagggaaacg catgcagtta aaacgtaatg 120
tacatgatgg aattgggagg atcatagtct cagtttcccc ccctctttct cccatctagg 180
agacctccgt ggactgcagc aaaattaaaa ataaagcaca gacaacagaa ttattcttca 240
ctgagagagt ttaatacgcg tttctaacac catctatact tgctttgttg ttcttgaggt 300
catcaacaca cattctgggt attccagact anaactcttc tggttgctaa ctcagtttta 360
agaagatgaa agacataact agacttaccg tatttcagta gtttgctctt taatttttcc 420
cttactctta atttcaggcg acctccaaga aaggnatcaa gtccgactgg gataaaccag 480
atggagaaan gtcacagatt taaggaaaaa aagcagatct tgcccaccca gngaaaatca 540
ncattgangg caacaaaang                                         560


<210> 64
<211> 105
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 11, 25, 35, 39, 44, 47, 52, 73, 82, 84, 100
<223> n = A,T,C or G


<400> 64
ttttttttt natcctgcca caatnttttt aattncgtnc aaanatntga cntgtcaccc 60
agggacccat ttnacccact gntntgtttg gccgccagtn ttttg             105


<210> 65
<211> 427
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 284, 324, 334, 344, 346, 349, 401

<223> n = A,T,C or G

<400> 65
aaaaactgac taggtcaaaa atagttacgc ctgcaggttg acctattcag actttgccaa 60
actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120
gctgttcctc cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct 180
gcctgtttgc tgcggaactc tttgagctgc tgtagccgct cgatagtttc agaaatggtg 240
cgttccccgt ggaccttatt gtctcttgtg cggatattaa cagngccact gattttctct 300
ttttcccaac cacctaaaat gganggtata ctgnggctta ctgngncant ttcgaatctt 360
ttttattcaa tggtaccagc cctgggatcc cagaatcaaa ntggtcttgg cccttggaaa 420
ttttggg 427

<210> 66
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 328
<223> n = A,T,C or G

<400> 66
aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattangt cccaaaatta aagtttttac cttgccccgg 360
gc 362

<210> 67
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 181, 184, 213, 217, 219, 235, 240, 246, 267, 275, 276, 281,
285, 287, 298, 305, 312, 314, 323, 332, 339, 345
<223> n = A,T,C or G

<400> 67
cctgacgttt agagaaggtt acaaaggcgg ccaggatctg agtatttcca aaaagctctg 60
gaggcagcat tgaggtttcc ttccagttga atcactgact ttaggtcgac tggggtactt 120
tgggtttttt gggccatttt ttgggggtgt gggaagcttt tctcacagat ttactacgag 180
nggngaaaaa cttggcctct ggcttttttg gantctngnt cgcatctttc ttccncagcn 240
aaggantttt ttccttcact gcctctnctt tgatnnttag nttgntnctc tgggcttntt 300
ctctnggggc cncnaaactc ctncagcttt tnggggggtnt tcagnatgct ggcttg 357

<210> 68
<211> 395
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 232, 250, 259, 295, 298, 302, 308, 312, 316, 323, 335, 343,
355, 359, 362, 366, 373, 383, 385, 390
<223> n = A,T,C or G

<400> 68
ctgacattta ttattttggt ttcattttcc tttttgcgtc tttatgtttc tttcgacaat 60
ccatacgcag gttggttgtt ctggcctccc aagagttcct gctcatatta cttcctactc 120
ctctccagaa taagtcagaa ccttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa angagagaga 240
aaaataggtn ttggttggnt taatttcaat atttaagaag aaatatttac attcnaanac 300
anaaaatnca cnattntgtt aanattatat ccttnttcag ttnccccccct tcaancccng 360
gnggancgga agnactcttt aantntatcn tgcct                            395


<210> 69
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244, 246, 282, 301, 327, 328, 331, 344, 345, 346, 356
<223> n = A,T,C or G

<400> 69
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt tttgcaagac 120
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttgtt tctggttcag 240
cttnangaaa aagccttgtt tgcagtcgct aaaaattaca anctggtagc tgcaccattg 300
nttgaaattt ggttgacgat ggcaccnngg ntttgggacc cctnnntttt ttagtnttcc 360
ctt                                                              363


<210> 70
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254
<223> n = A,T,C or G

<400> 70
cctattctct tgttgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtccagcc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgccaccacc agcaggggct cctgcagnat gagcaccttg 180
ttgaacgtgn agtggaccac aatgnnctga atgggctgnt ctaccanatn tttcttgtag 240
ggcnacantc acnggcggc caaatgtgg                                    269


<210> 71
<211> 546
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420, 455, 535, 544
<223> n = A,T,C or G

<400> 71
aaactaaata tataaatcta taatgttaaa catatgttca ttaaaagcat agcactttga 60
aattaactat ataaatagct catatttaca cttacagctt ttcatttgat caggtctgaa 120
atctttagca cttaaggaaa atgactatgc ataattatac ctgaccatga aaaaaataag 180
tacctcaaat gcatgcattt gcactggtga ttccaactgc acaaatcttt gtgccatctt 240
gtatataggt atttttaca tgggttgaca tgcacacaac accattttca ttcagtatga 300
accttgaggc tggtgccatt tttcccttaa ccaaaccaac ctgaaggtga cctcgaaact 360
tgtttcataa atctttcaaa agttgtttta catcaatgtt aaaatttcaa aatgctgcan 420
ggcaatttaa tgtataaaat attagtaaga aaaantatgt atggcatact tagtagaata 480
gatcacaaca tacaaattca atcaatgcat gctttaggtg taagcatgag aatgnacatg 540
tttntg                                                           546

<210> 72
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315, 338, 341, 383
<223> n = A,T,C or G

<400> 72
ccagtcagtg ttcatgtctc tcaccagtgc ctggagggtc cccagccaag gaaagaactg 60
gtcagttcct gccagcagct tgagctggaa tgccctggga gggtcagtag agggtggtca 120
cttgaggagc ttcacagaga ggcggatgtc aacatcgcag aggaagatgt ccatgaggtc 180
atggcctgcc tcctgtgcta tctgggagat cacgtggccc ttcggaccaa tcaggagttt 240
ctgagggtat gtgaaagaga aggaagccag gaatgatggc acatgcctgt agtcccagct 300
acttgggggg gtaangtgag aagatccttt gagcacanga ntttgagtcc acctgggtaa 360
cagtgcgacc cctctttacc tcngcgcgac cacgc                           395

<210> 73
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 16, 21, 25, 38, 329, 333, 390, 412, 429, 451, 455, 470,
482, 483, 486, 498, 499, 511, 519, 524
<223> n = A,T,C or G

<400> 73
aggtaaaaat gggncncaaa ntcgnggtgg accaaacnaa tccacatttta tttattgatt 60
tttcgttagt ttaaatcctt gaggggtaca gcatcactcg gattctgtgt ccaatggcct 120
tagcaggaag attgcttcgg aatttggcac gaaccatgcc actgtttcca tgggcccgag 180
```

```
ttactttttcc ccagatgact ctggtttttgt ttggtttgcc gccaggagtg actgtgttgt 240
tctttgcttt atatacataa gcgcatctct tgcccaaata gaattctgtt tcatctcggg 300
cgtaaaacac cttcaatttt aagaaaganc tgngtgctcc cttgggttcc ggagacccc 360
ttatgccagc aaaaatggcc ttggacccan ccttccagaa tagtcctttt anaagtcccg 420
ttcccacang actgccgggc ggccgtcgaa nggcnaattc cacacacttn ggggcggtct 480
annggnatcg agctcggnnc caacttggcg naatatggnc atantgt         527
```

<210> 74
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 345, 462, 466, 478, 521, 549, 553
<223> n = A,T,C or G

<400> 74
```
ccaagccaag gaaaccattc ccttacagga gacctccctg tacacacagg accgcctggg 60
gctaaaggaa atggacaatg caggacagct agtgtttctg gctacagaag gggaccatct 120
tcagttgtct gaagaatggt tttatgccca catcatacca ttccttggat gaaacccgta 180
tagttcacaa tagagctcag ggagccccta actcttccaa accacatggg agacagtttc 240
cttcatgccc aagcctgagc tcagatccag cttgcaacta atccttctat catctaacat 300
gccctacttg ggaaagatct aagaatcttg aatcttatcc tttgncatct tctgttacca 360
tatggtgttg aatgcaagtt taattaccat ggagattgtt ttacaaactt ttgatgtggg 420
tcaagttcag gtttagaaaa gggagtctgt tccagatcaa tncccnaact gtgcccangc 480
ccaaaggaga cactaactaa aggagtgaga tagatttttaa ngggaaacat ttttccaagt 540
cttggcatnt ttnaacc                                              557
```

<210> 75
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 317, 339, 340, 346, 365, 378, 389, 394, 438, 459, 469, 471,
475, 500, 516, 517, 528, 536, 537
<223> n = A,T,C or G

<400> 75
```
aaaagcagct tcagctcaaa cagcaccagt gctacatgga cagcatggca gcgcagccgc 60
tccatgcgga aaagaaaggc aactgctgct tcaaactgcg ctgtcaggaa caggacttgg 120
aagtagagga agggttgctg gttcaccgta aagtgggact cgccatagtc ttccaacaac 180
tgcttctgga actgtgagag agtgagcctg tcttgtgggg agctggtgcc atcgtcgtca 240
aaacacactt ggttcaactt cagccacagg taatcctcag ttttgtccgg cacttcactc 300
tggttgtcgg tgaccgncac atttttgccaa tgatacagnn cacggnccgc ttgtagggat 360
ctgtnttgtt ccttgagngc cctacggtna tgcngccgga gcttgttttc cgtagctggg 420
gacaatcttc tgccttcntg tcatgtctcc tggaaccang ttttacctng nccgngacca 480
cgctaaaggg cgaattcaan acactggcgg ccggtnncta tggatccnaa ctcggnncca 540
agcttggggg ta                                                   552
```

<210> 76
<211> 451

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 42, 314, 366, 426
<223> n = A,T,C or G

<400> 76
ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gntggcatgg aagacactgc 60
aataaaaggt acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120
cagcacacgc cttcacttaa aaaggccgag gagcggcggg atccacctga atccaattac 180
atctggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240
acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300
tttattaact tctnattaaa tcacttgagc tgatattact cttccttta agttttctaa 360
gtacgnctgt agcatgatgg gtagattttc ttgtttcagt gctttgggac agattttata 420
ttatgncaat tgatcaggtt aaaattttca a                                451

<210> 77
<211> 136
<212> DNA
<213> Homo sapiens

<400> 77
gtgaagaagg cagctctcac tcaggcaaag agccaaagga cgaaacaaag tacagtcctc 60
gccccagtca ttgacctgaa gcgaggtggc tcctcagatg accggcaaat tgtggacact 120
ccaccgcatg tagcag                                                 136

<210> 78
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 330, 352, 365, 369, 386, 451, 463, 482, 487, 530, 535,
543
<223> n = A,T,C or G

<400> 78
ctgtgcaaga tgcctcagtg tgatgcaaag actctatatt ggaaaaatta caacttggtc 60
taaaaactta ttggtgttga tattttaat ccaaaataaa tttataaaaa aatcctttaa 120
tggactattt cagtttaata tacagtaata cactgtagat aaagttaata ttcccccac 180
taatttaata gggattgata tcaatgtttc tgatcactgg agaaataaaa actaatgtgg 240
acctttgata tccatgcat aggaggattc ccacagttta tcctaagagg atctggggaa 300
tattaaatat tctaattcca gnggcttagn caatatgaat tttaagtaca angatatttc 360
aaaancagng gtttggaaaa aaaaantaat caaaacccat aatcacatct cttgtggata 420
acaatattaa tataactttt tacccaccca ngacttgcct gtncaaactc agaactgaaa 480
gnttggntct gtagacttct ggtaacaatc tggcaaacac taaatggagn gtggncttat 540
ctnttt                                                           546

<210> 79
<211> 545
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 306, 311, 323, 501, 516, 525, 532, 534, 537
<223> n = A,T,C or G

<400> 79
aaacatggat aaaagtatta catgggtcca ctgttaaaac agacaacatg tggcaaatta 60
attctggtat catgttttcc aacaaagctt agaaaataaa ggtgttgagg tggctttgga 120
ctaagtttaa tagtcatctc ctctgctgac aacttcttta catgttggac gcaacaggat 180
ggtatgttca aattgcgctg tatatgatcc tttaatgtca cataatggtg gatatggatc 240
tacaatgccc aagtcacaca gattcttcag agccatcaag tatttacttt ctcccaagcg 300
atccanccat ntggcggcag aangcaaagg gttccaaagt tttcattgat gacatttaac 360
aagtgttttg ttcttggaag ccttattggg cacatgtcca acatcaaaat ttttcatgta 420
atgtgaacat tccatatcat catgaacaac accttttcct gtactaccaa atgtttcaat 480
tgcatatact tctccttcct ncattcttgt tggctncctt ctttnacaat cngnacntgt 540
tttcc 545

<210> 80
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 257, 321, 374, 391, 413, 430, 436, 442, 447, 448, 458, 469,
472, 474, 479, 498, 507, 513, 522, 524, 537, 542
<223> n = A,T,C or G

<400> 80
aaaaatgggg cacaaataca ggcaggtaag agacagacag ctctcatccc tgcactcttg 60
gctttctgag agatatgacc ccaaggtcct ggagtctagc tgctgcttcc tcctctggga 120
aatagaggag tgatattggt agtacctagg gcatagcact gctgggacaa ttcagtgatt 180
tggggactga tctccatatc aagatgacct gatcctgtct gtgtgcggga cagtggctag 240
cacggagccc ttgttangcc cgcctaccat ctgacccttc tcaaaccttc ccgtctgagg 300
acatctgcat gcaccacttg ncccttccaa tggctgtctt actctggatg gccctgacac 360
ctggagaagg ccanacaagc caagtgggtt ntctaaggac ctttgtgaat tcntaggacc 420
tcgggccgcn accacnctta angggcnnaa ttcccagncc acctgggcng gncnggggnc 480
ctaattggaa tcccgaanct tcggggnccc aancctttgg gngnaatcca tgggtcnatt 540
ancttgg 547

<210> 81
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335, 337, 348, 380, 403, 441, 476, 484, 500, 508
<223> n = A,T,C or G

<400> 81
aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60

```
tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggtatgt 120
tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattgtt gaaagatgaa gaacgaaagc tacttgttga tcagatgagg 300
aagagatccc cttgagtaaa tctgtgcatt aaccngnaac ttcatttnat gatatcccca 360
gctcagcaag gagtcaacan tgggcagtta gaagcatcaa ctnatattgg ccagtgggat 420
cctggggagg attagacaaa ntttaatcga attaccatgg gtgttgactt tcagagacccgc 480
ccanttctgg gacaggggcn tattaagngg ggaaa                             515
```

<210> 82
<211> 192
<212> DNA
<213> Homo sapiens

<400> 82
```
ccttttcccca ttgctccttt ccccattgct caatggattc catgtttctt tttcttgggg 60
ggagcaggga gggagaaagg tagaaaaatg gcagccacct ttccaagaaa aatataaagg 120
gtccaagctg tatagtattt gtcagtattt ttttctgtaa aattcaaaca cacacaaaag 180
aaaaatttat tt                                                     192
```

<210> 83
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 339, 349, 350, 467, 510, 537, 549, 559
<223> n = A,T,C or G

<400> 83
```
ctaatacgac tcactatagg gcaggtgcag gcagctaggt gatggcaaga gatgttcact 60
tgaagatctt gccctgattg aaggctttgc ccacatgctg gaaggcccccc tcccaggaaa 120
agtactctcg aaccagcgtc tgggtctcct cgctgccagg atccagtttc cgccatgtgt 180
atgactcgta gtccacctgc caatctggac tcagcggaaa ggcaagctcc tggcctcgga 240
agacccagac tccagaaatg gagctgctat tgttggttcc aaaaaggatg acactggcga 300
aggcattctt cctcagcttg tccagtcgct ggaacattnc agtgatgann atgcagctca 360
tgaaggtctg agtgagttct tcagggaagc gatactcttg agtaccacag gaccagccg 420
tccttatcaa agtgctccca gaaatatggc agtgccacag agagtgngtc ctcattggag 480
tacttgcgct taaattcatc caacacaaan gtctcttggg cagtgaacga aggggtnctt 540
gccttgggnc acagccacng ctgtccatta tc                               572
```

<210> 84
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 447, 496, 527, 541, 548, 552, 557, 578, 579
<223> n = A,T,C or G

<400> 84
```
gtgaagcaac ctttaggtac caaagtcatt cccaccatgc agtcaccttg tcattactta 60
```

```
cacttttctt cttttttcatt ttacagtaaa aaagtcaaga acatgtaaaa actgtggctt 120
ttctggaatg gaattggaca tagcccaaga acagaaagaa ccttgctggg gttggaggtt 180
tcacttgcac atcatggagg gtttagtgct tatctaattt gtgcctcact ggacttgtcc 240
aattaatgaa gttgattcat attgcatcat agtttgcttt gtttaagcat cacattaaag 300
ttaaactgta ttttatgtta tttatagctg taggttttct gtgtttagct atttaatact 360
aattttccat aagctatttt ggtttantgc aaagtataaa attatatttg ggggggggaat 420
aagaatatat ggactttctt gcaagcnaca agctattttt tacctgcccc gggcgggccg 480
ctcgaaaggg ccgaantcca agaccacttg gcggcccggt actagtngga tcccaactcg 540
ngaccaanct tngcgtnaac atgggcataa gctggcgnnc tcccggaa           588
```

<210> 85
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 170, 303, 345, 350, 353
<223> n = A,T,C or G

<400> 85
```
ctgctctgtg ctgggcatct gtctactgct cagtactacc aagggttgta tgaaatcttg 60
gaattggctg aggacatgga aattgacatc ccccatgtgt ggctctacct agcggaactg 120
gtaacaccca ttctgcagga aggtgggggtg cccatggggg agctgttcan ggagattaca 180
aagcctctga gaccgttggg caaagctgct tccctgttgc tggagatcct gggcctcctg 240
tgcaaaagca tgggtcctaa aaaggtgggg acgctgtggc gagaagccgg gcttagctgg 300
aangaatttc tacctgaagc caggacattg gtgcattcgt cgctnaacan aangtggagt 360
ataccctggg agaagagtcg gaagcccctg gacctgccc                399
```

<210> 86
<211> 224
<212> DNA
<213> Homo sapiens

<400> 86
```
ctgtacaggt tctctgttct tcagggtcat tttcacagct ttaagatgtg tattcatgct 60
gacatccaca cctgtgattg ttccatggac ctgtgttccg ttcttcaatt caatggttac 120
agtttcatga ctcaatttca tcaaaaatct cacgagcttc atcctagcgg cgccgtcacc 180
ctctgggtcc gacagcacac agaatccttc aaccgaacac tgac           224
```

<210> 87
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 6, 20, 26, 55, 403, 454, 503
<223> n = A,T,C or G

<400> 87
```
caggnncaag agtttccttn accatnagac actgtactat gacacagacc ctttnctctt 60
ctacgtcatg acagagtatg actgtaaggg cttccacatc gtgggctact tctccaagga 120
gaaagaatca acggaagact acaatgtggc ctgcatccta accctgcctc cctaccagcg 180
```

```
ccggggctac ggcaagctgc tgatcgagtt cagctatgaa ctctccaaag tggaagggaa 240
aacagggacc cctgagaagc ccctctcaga ccttggcctc ctatcctatc gaagctactg 300
gtcccagacc atcctggaga tcctgatggg gctgaagtcg gagagcgggg agaggccaca 360
gatcaccatc aatgagatta gtgaaatcac cagcatcaag aangaggatg tcatctccac 420
tctgcagtac ctcaatctca tcaactacta caanggccag tacatcctca cactgtcaga 480
agacatcgtg gatggacctc ggncgcgaac a                                511


<210> 88
<211> 114
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 103, 111
<223> n = A,T,C or G


<400> 88
cctttcacaa ctaggactga gaatgtatgt aaaagttctg tgacagtaca gaaggaaaac 60
aactttttat gtatagcttc taaaagggga aaaaaaaaaa aanaaaaccc nttt       114


<210> 89
<211> 609
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 499, 536, 550, 557, 561, 565, 570, 584
<223> n = A,T,C or G


<400> 89
cctttatgga tgaaagtacc cagtgcttcc agaaggtgtc agtacagctc ggaaagagaa 60
gcatgcaaca attagatccc tcaccagctc gaaaactgtt gaagcttcag ctacagaacc 120
cacctgccat acatggatct ggatctggat cttgtcagtg actttatgag agtttctgcc 180
acaaggtgcc caagaggaga ggaatgggaa gagtgcccca gcacgtggtg actgcgtgat 240
ttctgctcgt tgcctttgaa gataactggc aggactgact gtagaacact ttgactttttt 300
tcaaaaagtg atggaatttg tacatccaaa tgaatattgt atagacaatt ttcccaggaa 360
tgtgcaaaat gcttgaaagt tcaaacttct tttttgaaat gatcttcaga tccagtggcc 420
cattctttta tctttatcct gtgaaggtgg ttttcaaggt ttgaaacaat ccaaaaatca 480
tttaagaacc aagtctaang aacattttag tggaccttgc ccgggcggcc cctaangcga 540
aattccaccn cacttgnggc ngttncttan gatccaactt cggnccaact tggcgtaatc 600
atggcctag                                                        609


<210> 90
<211> 594
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 439, 461, 468, 491, 506, 559, 567, 578
<223> n = A,T,C or G
```

<400> 90
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
ttttttgcctt taagcattat ctcctttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtcccttc caatcctgtg 300
attctctgat tccctgagtc tcgtttatta ttggacatgc ctagcccatc accagtgacc 360
tgcccgcata ttgctggctt cccttggata acggagagcc tatcaccaca tgcctttgtt 420
gtcttccatc atatcaagng agttgctttc tggacttttt ncatctanaa cctgctaagg 480
ttggttttga naaaaagatg gagaantttc ttttcatgag tttgtagggc aaaaaaaatt 540
cttttttacct gcccgggcng gccctcnaaa aggcgaantc cagccccttg gcgg 594

<210> 91
<211> 363
<212> DNA
<213> Homo sapiens

<400> 91
ctgcaagcca ttcgaataat tcaagagaga aatggtgtat tacctgactg cttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaatcaa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaaaa cagaagagcc cacagtgcat tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacaccca ccctcagaag ttaaaatgca ttttgctaat 300
cagtcaatag aacctttggg aagaaaagtg gaaaggtctg aaacttcctc cctcccacaa 360
aaa 363

<210> 92
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 148, 352, 373, 425
<223> n = A,T,C or G

<400> 92
ctgctcgaac actgagcttg tgtaaaagtt gaaccatgag gccacaaaag cggtcaaagg 60
ttctgggaat .tcgggtctgg ggattcactt caatcagaac attcttctgt gtatggatat 120
aaacctgtag caagccagct cggttcangg gactatccat cagcatcagc aaactctggt 180
gggtgatatc tggccgcgct tccccagggt cccgtccatt cttcaacaat atagacttgt 240
gcttgtcaca gttgagtagc tcatatgtct tccctacctt gactgtctcc agactggccc 300
cttccagcac cacaataagc ctacggcctc cgatcttgtt tcctgcccct antcggggcc 360
gcttgggtgg canagcatcc caatcctgtg cctgctccca ccgcttcgtt cacgaagctt 420
gaatncataa ccttcggccg cgaaccacgc 450

<210> 93
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 157, 404, 406, 442, 453, 460, 487, 507, 513

<223> n = A,T,C or G

<400> 93
cctggcctca catgaccccт gctccagcaa cttgaacagg acaagcagca gctacatcct 60
taaggtcggg aaagtaagat gaggatttgg atcctgcatt gccctgcctc ccaccctatc 120
tctccccaaa ttataaacag ccatccttgg gaagcangca gagttaagac gtctccccac 180
tgccctagtg acatacacac caacaggaga gcatgttcag atggcacaga atccagggac 240
tgcatttcat gaggagaaac tggtaccaaa atatgggtgg ggagtcgggg ggtgtgagaa 300
ggcaagcgca aagagaacct tcctccgttt ctactcatcg gatcctgacg ctgactcctc 360
tgactggggg gagtactggc tagttcttct tcttcagagt actngntcct cctcctcttc 420
tttttgctct tgttctctcc cnaagagctc tcntcactan acacaaactc tttgctcttg 480
aagcttntcg cttactgctt gaggacnact tgnatgatga cccctaaaag gcgggga 537

<210> 94
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 143, 370
<223> n = A,T,C or G

<400> 94
gcgagaagaa aaagggccgt tctgccatca acgaagtggt aacccgagaa tacaccatca 60
acattcacaa gcgcatccat ggagtgggct tcaagaagcg tgcacctcgg gcactcaaag 120
agattcggaa atttgccatg aangaggtgg gaactccaga tgtgcgcatt gacaccaggc 180
tcaacaaagc tgtctgggcc aaaggaataa ggaatgtgcc ataccgaatc cgtgtgcggc 240
tgtccagaaa acgtaatgag gatgaagatt caccaaataa gctatatact ttggttacct 300
atgtacctgt taccactttc aaaaatctac agacagtcaa tgtggatgag aactaatcgc 360
tgatcgtcan atcaaataaa gttataaaat tgcaattttt tttt 404

<210> 95
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 400, 403, 407, 421, 431, 482, 488, 489, 492, 508, 516, 518,
521, 526, 532, 542
<223> n = A,T,C or G

<400> 95
aaaggtattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcttg aaagacgtaa accaaagtgc actttatctc atttatctta tggtggaaac 180
acaggaacaa attctctaag agactgtgtt tctttagttg agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgttgtag 300
agtgggaata agagagggct ttttattttt tcgttcatac cactattgat gaagatgata 360
ctaaatgcta aatgaaatat atctgctcca aaaggcattn atncttnact tggagatgca 420
ncaaaaacac naaaatggaa tgaagtgata ctcttcatca aacagaagtg actgttatct 480
cnccattnng tnaaatccta agcagaanac ataaanantc ntgacnaaaa anacacttgg 540
cntattactg gcttggaaag 560

<210> 96
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 394, 558, 598, 603
<223> n = A,T,C or G

<400> 96
ccaggctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60
ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120
ttcacctatt accatcaggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180
tactttatgt ttcagtttac tacccctaa ggcagcaaga gagcaggaag ataagcaaaa 240
tagagatgtt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300
ataaaaacat tttattcaca aaattggtca tcacagcatt atttacaata ctgaaaatct 360
ggaaatagcc taaatttcta acaattgaaa gaangttaag taaattataa gactacacaa 420
taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataatactt 480
agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattcc 540
accccaaaa aagacaanat ttatttggca tttcgtggca aaatttcatg tatttggntg 600
ganttctaaa ttttccga 618

<210> 97
<211> 346
<212> DNA
<213> Homo sapiens

<400> 97
aaaatttcct tccatttcag tatatgcata ctcagttcat cacatagtaa tatcaataaa 60
aaaataaact tccatttctt ataagaaaaa cattaactta attcacagtt agcctttcc 120
cacaacactc aatactccag tagcttctag gaagagaggt atattagtga taaaaatgga 180
atattaaaaa tccatgactt gggagtaaac ggagccctta actcctcctc tccccctacc 240
tgaatcacaa aagggttttc ctgaaatgag aggggatggg actggggtca gcaggattct 300
cacctcggtc taactacaag gtacggggag aagacaggag ggctgg 346

<210> 98
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 293, 430, 461
<223> n = A,T,C or G

<400> 98
ggaaaatgct tctcagtcca cagttaaagt tctcatcaga ctactgaagg acttgaggat 60
tcgttttcct ggctttgagc ccctcacacc ctggatcctt gacctactag gccattatgc 120
tgtgatgaac aacccacca gacagccttt ggccctaaac gttgcataca ggtacagcat 180
gctttgggtt tagggttggt tgtaaactat tttgtgcatt cctttaatac ctcatacctc 240
cctgtgttct aggcgctgct tgcagattct ggctgcagga ctgttcctgc cangttcagt 300
gggtatcact gaccctgtg agagtggcaa ctttagagta cacacagtca tgaccctaga 360

```
acagcaggta ttgggacaga tatgaactga gttgttttgc cccactcttt tgaatactgc 420
tgctcagcan gcaaagtggg aatatggtct ttacgggtca ngaatttggg gattctgaaa 480
gactttggtc ctgagattt                                               499


<210> 99
<211> 396
<212> DNA
<213> Homo sapiens


<400> 99
cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcaggtcag 60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat ggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaaggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggtatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacagaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaacccgga gtcatcagtg tgatgggaac ctaagc                             396


<210> 100
<211> 274
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G


<400> 100
ccgccatggc cgaggaaggc attgctgctg gaggtgtaat ggacgttaat actgctttac 60
aagaggttct gaagactgcc ctcatccacg atggcctagc acgtggaatt cgcgaagctg 120
ccaaagcctt agacaagcgc caagcccatc tttgtgtgct tgcatccaac tgtgatgagc 180
ctatgtatgt caagttggtg gaggcccttt gtgctgaaca ccaaatcaac ctaattaagg 240
ttgatgacaa caagaaacta gganaatggg tagg                               274


<210> 101
<211> 589
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 440, 454, 480, 538, 559, 566, 587
<223> n = A,T,C or G


<400> 101
cttttagaaa gccatcaaga agagacaaat cagttactta aaaaaattgc tgagaaagat 60
gatgatctaa aacgaacagc caaaagatat gaagaaatcc ttgatgctcg tgaagaagaa 120
atgactgcaa aagtaaggga cctgcagact caacttgagg agctgcagaa gaaataccag 180
caaaagctag agcaggagga gaaccctggc aatgataatg taacaattat ggagctacag 240
acacagctag cacagaagac gactttaatc agtgattcga aattgaaaga gcaagagttc 300
agagaacaga ttcacaattt agaagaccgt ttgaagaaat atgaaaagaa tgtatatgca 360
acaactgtgg ggacacctta caaggtggc aatttgtacc atacggatgt ctcactcttt 420
ggagaacctc cgaatttgan tatttgcgaa aagngctttt tgagtatatg atggggtcgn 480
```

```
gagactaaga ccatggcaaa agttttacca ccgtctgaag tccctgatga tcagactnag 540
aaaattttgg aaagagaana tgctcngttg atgttcttcc ctccagngg        589
```

<210> 102
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 48, 71, 81, 84, 93, 105, 113, 121, 134, 139, 204
<223> n = A,T,C or G

<400> 102
```
aaatttnggt taaaaattta aaccggcaaa cctttccaaa cctttaantt aaaggaggag 60
gcccggcaaa natttttagg nggnggcccc ccnctttcct ttaanggcaa atnggcccaa 120
ntaggccctt tccngcaang gaccaggagg cctcaggccc cccaaagctt aggttagcaa 180
ataggagcaa tttaaattcc tagnccaag                 209
```

<210> 103
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,
577, 595, 596, 604, 609, 618, 626, 634, 637
<223> n = A,T,C or G

<400> 103
```
aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
cttcccaact atcattccca tggtcccaaa taaattttag aatctagtcc catccccttc 180
ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag tttaaggaca 240
cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
aatgacctca atactgtcaa gtgcacctac ttaataaaag ttttagaaca aggcacaata 420
cacttggaaa atctattgca ctttttangaa aattttttgcc cgtcttnctt ttgccactgg 480
taaaaaagat ggancccggtt ttggatcanc cnccattttt ggaacctttn gggcccggna 540
accnccctttt aangggcgna aattccancc ccccntnggg gggccggttt ctttnngggg 600
aatncccana cttcgggncc cccaanctttt gggnggnaaa tcaatggggc catta    655
```

<210> 104
<211> 352
<212> DNA
<213> Homo sapiens

<400> 104
```
ctgttgctta ccatgcccaa aataatcctc cagttcctcc aaagccacag ccaaaggttc 60
aggaaaaggc agatatccct gtaaaaagtt cacctcaaac tgcagtgccc tataaaaaag 120
atgttgggaa aacccttttgt cctctttgct tttcaatcct aaaaggaccc atatctgatg 180
cacttgcaca tcacttacga gagaggcacc aagttattca gacggttcat ccagttgaga 240
aaaaactcac ctacaaatgt atccattgcc ttggtgtgta taccagcaac atgaccgcct 300
```

```
caactatcac tctgcatcta gttcactgca ggggcgttgg aaagacccaa aa          352
```

<210> 105
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 144, 309, 344, 347
<223> n = A,T,C or G

<400> 105
```
aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60
tgattattta cattttagta attggacaat cccggctcag gaggaggttg caagaatctg 120
caaaagttgg agggagcgcc ccangagaac aaacagcaag ccttatttcc cctagcccat 180
cccccaaaaa accatccatc ccatcctagt gtctggtggt gtccggtggt gtccatcttc 240
cattccttcc caaattatgg aagtaaggtt cttctcacca gaataagagc acttgggata 300
acagagtang gtcccctcac ccaaaaaaaa aaaaaaaaaa aacnctnggg ggaaa       355
```

<210> 106
<211> 102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2
<223> n = A,T,C or G

<400> 106
```
tngaatcact cctatagggc gaattcgagc tcggtacccg gggatcctct agagtcgacc 60
tgcaggcatg caagcttgag tattctatag tgtcacctaa at                    102
```

<210> 107
<211> 357
<212> DNA
<213> Homo sapiens

<400> 107
```
ctgggaacaa ctttcttcaa actacctggt ggtgaactta acccaggaga agatgaagtt 60
gaaggactaa aacgcttaat gacagagata ctgggtcgtc aggatggagt tttgcaagac 120
tgggtcattg acgattgcat tggtaactgg tggagaccaa attttgaacc tcctcagtat 180
ccatatattc ctgcacatat tacaaagcct aaggaacata agaagttgtt tctggttcag 240
cttcaagaaa aagccttgtt tgcagtccct aaaaattaca agctggtagc tgcaccattg 300
tttgaattgt atgacaatgc accaggatat ggacccatca tttctagtct ccctcag     357
```

<210> 108
<211> 174
<212> DNA
<213> Homo sapiens

<400> 108
```
aaaggtgata aacacaaaac ctcgtctttt gttcaacttt ggatccattg gcaattcaat 60
```

```
ggcctcaatc tccccaaact cgccaaagta ctccctgatc ttttcctcag tggcttcagg 120
attcagaccc ccaacgaaga ttttcttcac cgggtccttc ttcatagcca tggc        174
```

<210> 109
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 141, 508, 577, 609, 615
<223> n = A,T,C or G

<400> 109
```
tgcaaattaa ttttaagggc ttacagagtc atttgaagaa gtgtggtggg aaatacaatc 60
agattttggc atttcgacct acaggatgga cacactctaa caagttcact agaatagcag 120
atgttattcc ccagaccaaa ngaaacattt caatatatgg aattccttac agtgaacaca 180
gcagctacct agaaatgaag cgctttgtcc agtggctgaa gccccagaaa atcataccta 240
ctgtaaatgt gggcacctgg aaatctagga gcacaatgga gaaatatttt agagagtgga 300
aattggaagc tggatattga tgatacctcc gaggattcag tagtagttaa gttccttgga 360
tgtagcttgt tagtagttaa atctatagaa atgtgaaata cactttgtgt ggaaaaacct 420
catgaagatt gttcaaaata ctttatttc tcatttatgt ttgaaccaac atgttcgtgg 480
tgcttgaatg cctctcagca tcatcaanga taactgaaac tgggtctcct gggaccttaa 540
ttcttgtccc ctgccttcat gggcagttat atttgcntca agccttaaaa aagaacaaag 600
gcagattcng gaccnaagga tat                                        623
```

<210> 110
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525,
528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621,
622, 635
<223> n = A,T,C or G

<400> 110
```
actatgtgac tatcattgat gccccangac acananactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tggtgttggt gaatttgaag 120
ctggtatctc caagaatggg cagacccgag agcatgccct tctggcttac acactgggtg 180
tgaaacaact aattgtcggt gttaacaaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaatttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggntca agggatggaa agtcacccct aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tnctaccacc aactcgtnca actgacaanc 480
ccttgcgcct tccttttnca ggatgnccta caaaaattgg tgggnttngg ncttgntcct 540
gttgggccca atngaaactg gnggttctca aaccccgggn ttgggggncn acttttgctt 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa                         638
```

<210> 111
<211> 492
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 349
<223> n = A,T,C or G

<400> 111
aaaaaaagta caaatctgtt aaaaatttca atcagtatac acatatatat aatacaacat 60
actagttatg ttaaatgcta caaaccaatg tgaatcccat ggaatggaaa aaaccacaca 120
tttaagcttt aagaaccatt tttttctcta tatattagca ttttctcaaa tacatacatg 180
ggaaaaatga ggtaactgta aaatgtgcaa ggaacagggc ccccaaaatt acatatattt 240
ctacatatat atgtaatttt atatatatat aaaacctttc taacacagaa cacaggcgct 300
gggcccagcc agggctgggg gaaggtgccc actgtcatgc ctangccana agttggtaaa 360
taagagagta aacaatggca agcccccacc acaggaaatc attggtaaca tggcatctat 420
agcaaggtcg gcagatcaca aacatcctaa gtaattgttg tataaatctt gttttttaat 480
gatgatcttt tt 492

<210> 112
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 318, 353, 420, 429, 477, 486, 500, 516, 526, 538, 544, 546,
563, 565, 570, 588, 590
<223> n = A,T,C or G

<400> 112
ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacgaaag 60
gaaaactaag actcccaaca taaacagggc cttgaggggg gggattacag gcacttgggc 120
atggagtctt cggctgcagg aagcactccg cttattcttc aggaatggga aaggcgtgac 180
ccaacgagag catctgtctc agagctccac tcagggtcac ccctctccag aggccggtat 240
ggggtggctt cagacttcca ctgcacgacc tggagcacca agaccacaca ccacaatacc 300
aaattcaccc aagaagangt ttcagcattg tgtaggttgg agtaaaactg canagcagtt 360
ccaggggggtg tccatggaat tttctgggct tcagaacagc taattgtagt gttcaaggan 420
atgatggant tgcagagaga cctggtgcca aatcgaagga tacaggcaga caccaanacc 480
aggaanacgg ctatacttan atggacctcg cccgcnacca ccttanggcg aattccanca 540
cacntngcgg ccgtactatg ggnanccaan tcgtcccaac cttggcgnan tatggcta 598

<210> 113
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 166, 296, 385, 390, 411, 438, 439, 452, 459, 475, 479, 484
<223> n = A,T,C or G

<400> 113
ctgtggccta ggctacctca agactcacct catccttacc gcacatttaa ggcgccattg 60
cttttgggag actggaaaag ggaaggtgac tgaaggctgt caggattctt caaggagaat 120

```
gaatactggg aatcaagaca agactatacc ttatccatag gcgcangtgc acaggggggag 180
gccataaaga tcaaacatgc atggatgggt cctcacgcag acacacccac agaaggacac 240
tagcctgtgc acgcgcgcgt gcacacacac acacacacac gagttcataa tgtggngatg 300
gccctaagtt aagcaaaatg cttctgcaca caaaactctc tggtttactt caaattaact 360
ctatttacct gcccgggccg gccgntaagn ggcgaattcc agcacacttg ncgggccgtt 420
ctaacgggat ccgagctnng taccaaggtg gncataatna tgggcatatc tggtntctng 480
gaancgacc                                                        489
```

<210> 114
<211> 244
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 231, 238, 239
<223> n = A,T,C or G

<400> 114
```
ctgaccggac cggtcatgcc cgtccggaac gtctataaga aggagaaagc tcgagtcatc 60
actgaggaag agaagaattt caaagccttc gctagtctcc gtatggcccg tgccaacgcc 120
cggctcttcg gcatacgggc aaaaagagcc aaggaagccg cagaacagga tgttgaaaag 180
aaaaaataaa gccctcctgg ggacttggaa tcaaaaaaaa aaaaaaaaaa nccccccnng 240
gggg                                                             244
```

<210> 115
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 225
<223> n = A,T,C or G

<400> 115
```
aaaggtgata aacacaaaac ctcgtctttt gttcaacttt ggatccattg gcaattcaat 60
ggcctcaatc tccccaaact cgccaaagta ctccctgatc ttttcctcag tggcttcagg 120
attcagaccc ccaacgaaag attttcttca ccgggtcctt cttcatagcc atggcctttt 180
tagggtcaat gacacggcat ccagcctgtg ctccttctgg tctangacct tctccacact 240
ggctgcatct ttgaacagga taaacccaaa ccctcttgac cgtccagtgt tgggatccat 300
ttttattgta cagtcaacga cctctccaaa tttagtaaaa tagtcttttt             349
```

<210> 116
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 488, 526, 536, 539
<223> n = A,T,C or G

<400> 116

```
ccaacaaact tcaagccttg ttcttccaaa cactttttcc agactggatt cacctcaaat 60
cggtggcggt gcctctcttc caagtagtct gcgtctccat agagtttcct catgactgag 120
ttcttggtct ggaacaaggt tctcctcttg cccagcctca tggttccgcc catctgccct 180
gggttgtgtt ctggcatgtc tacgaccacg ggatgactgg tcgtagggtc aaactctgta 240
gaattggcat cttgccatcc cagcacgttt cttgagaatt caaccactgc caactgcatc 300
cctaagcaca cgcccaaaaa aggctttttc tgattccgag cccaggcaat tgcttggatt 360
tttccttctg ttcctcgaac accaaatcct cctggaacca gcactccatg agcactacag 420
agcttctgcc aacttcgtgg tagcgcacgg gctcttcttg cgaggtgatg ggctccaaag 480
tcccgcanaa tctattgtac cttgatttcc aatttgtggg ttgatngacc tgcccngcng 540
ccccttaaaa ggcgaattcc a                                        561
```

```
<210> 117
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 314, 356, 372
<223> n = A,T,C or G

<400> 117
aaactgggtg tttagaatat tataatgtag caactctgga aatatgatcc tacgccctct 60
cccgggtttg ttcttgctgt ttgttgcagt agttatttgt ttaatgactt ttctggttgt 120
aaagtctgta tttttttgtca cgtatggccg tttcttccta ttcttttagc ccagtggtca 180
gtgataggac agagatttcc ttaaacatct ggaatcaaaa aaacccataa aaccctccca 240
gagtttgtag aagggtctgt gtgcatgtgg ggtcagccct tccgcggtta aacacatttt 300
caactctgcc ttancttttg cttcctgtgt gtgcggagcc tgaaggcggc cagacntgag 360
agcttagctt cngccctcgc agg                                      383
```

```
<210> 118
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 485, 574, 609, 622
<223> n = A,T,C or G

<400> 118
aaaaagaagg tgctcagttt atttataaaa tcggtgtcgc cgactgctct gtttatgcta 60
aaattatgat catttttctc aactttggca tttgtcagtt gggaagagaa gccaaggcac 120
ctttggaagc atcataaaaa gtgaatcatt tgacccatta ctaaaatgca gccgcccctg 180
agttgcgaag tggcagtcaa ttagcagcgt cttagggtac atactacagc ttaatttgtg 240
gaatataaga tgtggatatg ttgggataga ctttccaggg gcttcctcag agcaacatta 300
cagcacatat aactaaaaat tcagagacaa agaacatgca ctatcctgtc ctctcactcc 360
ccaggtgaca ggcaggggga ggtccctgag atctggggat gcacttgtct ccacgtgcat 420
tttacttatc actcttaaca cacttgtcta gttcacatga attattttcc caacttctaa 480
tatgnctttg aagatagatt tatcttggtc atattggacc ttctgctttt ggcttctttt 540
gttcttgctc ttggttgctc actccaactt ctanaattga atcatttcct ccaaaatata 600
aaactaggnc atatctgggg gngaa                                     625
```

```
<210> 119
```

```
<211> 344
<212> DNA
<213> Homo sapiens

<400> 119
aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acctgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattagtc caaaattaag tttt            344


<210> 120
<211> 559
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 95, 97, 99, 105, 109, 111, 136, 373, 374, 382, 385, 389,
392, 403, 429, 430, 452, 509, 531, 541, 546, 551
<223> n = A,T,C or G

<400> 120
aaagtaagtc gtttcctttt atttgaacac ctaggggcca ttttagagtt ataattagcc 60
caatttctat atcattttgt ctcagggaat agaancntna ggganggana nagttggggg 120
aatggctggt tggtanagtg gtcagaatac acacaacatt tataaataaa gttagccatc 180
taatatggtt gtgattcgtg gtacctcaca atgattatga tagtaacata aaagctcact 240
gaccacaggt caccgtaaca gatataataa taatgatctt tgaaatattg tgagaattac 300
caacatgtga cacagagaca tgaagtaaac atatcctctt ggaaaaatgg caccaataga 360
cttgttcaat gtnngattgc tncanacgng cnatttgtaa aancacaata tctatgaacc 420
tcagtaaann gaagtgcagt aaaacgagat cncctgtctt gatcctaact tactgattat 480
cctctgctgg cacatttcca attgatttnt ccaacgtctc aagggtcaaa ncatgattca 540
nacaanattt ngtcaatga                                         559

<210> 121
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 409, 496, 500, 503, 516, 528, 532, 545
<223> n = A,T,C or G

<400> 121
ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgaggttg ttcttgaaga 60
gctgaatata ggacatgagc tgtcccggtg tgactctccc catactcatc ttgattggca 120
ggttttctct gcttgccgct tccactagat gtctccgaac ttccatcact gcctctttgt 180
gcttagtgtt cagtaaagct tcccataggg ctttggctgt ggtgtcactg gattgtgaaa 240
gacagcctgg tgcaaccaca ttataatttt cctcctcagt atggagtgca gtgagcgcta 300
tcatgttaac catcacatca tttgtgtggc ctgggagctg gggaagtgct gaaatgatct 360
tctctactaa gttgtctcca tgatgtccaa ctgctcctgt gagatccang gttctgtcca 420
caaaaaccac tgatgccctg cctgcacagt cttcttcctg ttctttgcag gggcataatt 480
```

```
ggacctcggc cgcgancacn ctnagggcga attcancaca cttggcgncc gntctaatgg 540
atccnaactc ggtccaagct tggcgtaatc atgggc                            576
```

<210> 122
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 486, 571, 607, 614
<223> n = A,T,C or G

<400> 122
```
gagagcgagc tgagtggttg tgtggtcgcg tctcggaaac cggtagcgct tgcagcatgg 60
ctgaccaact gactgaagag cagattgcag aattcaaaga agcttttttca ctatttgaca 120
aagatggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
agaatcccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300
gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360
gtgctgcaga acttcgccat gtgatgacaa accttggaga gaagttaaca gatgaagaag 420
ttgatgaaat gatcagggaa gcagatattg atggtgatgg gtcaagtaaa ctatgaagag 480
tttgtncaaa tgatgacagc aaagtgaaga ccttgtccag aatgtgttaa atttcttgta 540
caaaatggtt atttgccttt tctttgtttg nacttatctg taaaaggttc ttcctctgca 600
aaaaatngca tgtntagtaa ttag                                        624
```

<210> 123
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359
<223> n = A,T,C or G

<400> 123
```
aaatagagtt aatttgaagt aaaccagaga gttttgtgtg cagaagcatt ttgcttaact 60
tagggccatc accacattat gaactcgtgt gtgtgtgtgt gtgtgcacgc gcgcgtgcac 120
aggctagtgt ccttctgtgg gtgtgtctgc gtgaggaccc atccatgcat gtttgatctt 180
tatggcctcc ccctgtgcac ctgcgcctat ggataaggta tagtcttgtc ttgattccca 240
gtattcattc tccttgaaga atcctgacag ccttcagtca ccttcccttt tccagtctcc 300
caaaagcaat ggcgccttaa atgtgcggta aggatgaggt gagtcttgag gtagcctang 360
ccacag                                                            366
```

<210> 124
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 125, 134, 234
<223> n = A,T,C or G

<400> 124
ctgaagcagc agaggtgatt ctgcgtgtgg acaacatcat caaagcggca cccaggaaac 60
gtgtccctga tcaccacccc tgttaagcat tcccacgtgc tgtcgatctt tggaccagtt 120
tctancaaag ttgngtttga aagatactct attaaagaag actgtggaat ctgtttatcg 180
gtgcccatta tatccttaag tttggatatt tagctgacct tcgctttaac atangtctaa 240
tttatttgcc gtgtcatttt ccatacaaat cagttgattt 280

<210> 125
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 499, 502, 520
<223> n = A,T,C or G

<400> 125
gttgggggcc gtcccgctcc taaggcagga agatggtggc cgcaaagaag acgaaaaagt 60
cgctggagtc gatcaactct aggctccaac tcgttatgaa aagtgggaag tacgtcctgg 120
ggtacaagca gactctgaag atgatcagac aaggcaaagc gaaattggtc attctcgcta 180
acaactgccc agctttgagg aaatctgaaa tagagtacta tgctatgttg gctaaaactg 240
gtgtccatca ctacagtggc aataatattg aactgggcac agcatgcgga aaatactaca 300
gagtgtgcac actggctatc attgatccag gtgactctga catcattaga agcatgccag 360
aacagactgg tgaaaagtaa accttttcac ctacaaaatt tcacctgcaa accttaaacc 420
tgcaaaattt tcctttaata aaatttgctt gttttacctc ggccgcgacc acgctaaggg 480
cgaattccag cacacttgng gncgttctag tggatccgan ctcgtaccaa gc 532

<210> 126
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 376, 394, 451, 489, 524
<223> n = A,T,C or G

<400> 126
ctgcaattac atcatttttt atctatcttc tgcttttact ttgtgtaggg tagggatggg 60
gacttacaaa tgggccaaag acacttcaac ctcaaaacca aagagaaatc tctgcttgca 120
gagatacaaa gaaagtaact ctccctctta tgaaaagtaa ccaggaactc tactccagtt 180
atgagggcca ctgatggtgt gggagagcta tcaagaagat tcttcctaga cgtggtgcaa 240
agacagtgag aacccaggaa atcacattca tgggacactt gctcttaccg tcatcaccct 300
ctattctatc tcaactttgg ccccatcaaa tctaatgata aacaaaagaa ggtaattaca 360
tgtagaaaat caaagngaat gggaatgtgg tggngtgaac ataaaagaag aaattgaaaa 420
caatcaaaag tttctcagtg ctgctttccc ncactgtcat agaaatctct gatccaattc 480
ttcatatgnc taacttccaa ggacggctaa cagcacagac atangaatcc aacg 534

<210> 127
<211> 529
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 489, 505, 525
<223> n = A,T,C or G

<400> 127
cctagcaggg aagcagcatg caggcttcac agcttaatgc caaggacagc gagtgaggct 60
gggagcttct cttgggcctg ctgggtctgt cagctctcgg aatagggaca gtccttactg 120
gtgccccaag gtgggacttg gagaatattt tgcttggcat atgtttggtc tgaatggtgt 180
agttgctggt tccctagaga ggaaaaggtg gcaggcccag ctttgctggg aaatggctct 240
taatttccag ttgaaaccct agtagaattg tgaatgaaaa cctcaaggtt gagcccctct 300
gccaagcagc agagctagta gaaggggatg caggggcaaa gcactcagtt gccaagcaag 360
gaggagagat gtacgtgggc tgtgtggcag tccccacacc ctgccctggc ttcttcaggt 420
tatcgcacca ctatggaatc ctttgcagaa tggtactcat ataatgggtt tacctcggcc 480
gcgaccacnc taagggcgaa ttcancacac ttgcggccgt tctantgga           529


<210> 128
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332
<223> n = A,T,C or G

<400> 128
aaatttctcc ctttgtgtga gtatgactat agttctggcc tggtgttttc tatttattta 60
gttttagatg tcagcatttt actatacttg gtcctctcac ttcagaataa cagggctatt 120
tattgataca aaggagaggt gttcagatca tcttgttaag atgcagagct caaaataaac 180
actaaatctt tatttggaga tccacatcct tcctcaaagg aaggctcatg agtaaatttg 240
tatgcagtat aaagcccaag tagagggtgt attttttaatg actactttgc ttacatttta 300
gattgtgcaa atgtctcaat caatgcttgc angaatgtgg accttcctca gttttaagca 360
gaagaccctg agcaataaat actgttgcat gcttccaata accgtgaggg gatgggatag 420
aaatgctatc tacccgactt ctgaggagaa aacaaagcag gggcatgaaa aatatacaac 480
agagatcagt aaatgggttc aaatgaacca gtaaaccatt tttgccttac g           531


<210> 129
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 465, 527, 534
<223> n = A,T,C or G

<400> 129
aaaaaacaca tttatcagaa tacttcagga aaccatacta tgtgtaatcc aggaaataca 60
ctatttgcag aataggaaaa tcatcactgg caacaaaaga ttaaaacaaa aataaagcac 120
caggattctg agcagttcta aggtgagtat atcagcagaa atagtgtaaa tgctcttgac 180
tggttgctat gcaaacatgc taatgaggac tagtccatgt cttataattt ttttttttaac 240
atgtttcttt ggaaaaatgg caatattgag tggaagagaa gctgtccttt tagacaccca 300
```

```
gcttattggc ctgggtgaga acaactttga gaactggcat gaaagcagag gtctcactga 360
agttgctggt gctaactatg tgggtatgca tggtcaatcc ttctgagtag tttcgagttt 420
caatgctcct tgcaatgttg gggtaaacca ctggtgattg ttggngaaag tgtctgttcc 480
ctaagtttat catacagaaa ctccaacgtt tgctggcatt catctanctt cctn      534
```

<210> 130
<211> 410
<212> DNA
<213> Homo sapiens

<400> 130
```
ctgtctgacc atggggacct tctgtctgaa gaggagctgg atgaatgaga ctctgggaat 60
catctacaca ggaccaaacc caacaggcgc cctggcaccg gggaggggggt agttgtactc 120
tgcttgtaca gtccttgagc ccagtttaca gatctggaga gcaggaggcc aggacaagga 180
caaaggctgg aggatggagt aggacccagg ggctctgcca tcctaggcat cattcaaggt 240
cttttatgaa gactttacag atgtcctctg taaatagcat cgagagtgga gttcagctcc 300
tttctctact ttttttttggt ctgatggcac atatttattg ttctgtggtc taatcacagt 360
gtttctaaat gtaaaaagtg catatgttgg tgtagctagt cccgggcggc         410
```

<210> 131
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 483, 486, 487, 519, 525, 527, 529
<223> n = A,T,C or G

<400> 131
```
cctggtggcg ggcgcctgta gttccagctt ctgggaaggc tgaggcagga gaatcgcttg 60
aaccctcctg gggttgagag attgcagtga gccgagatcg tgccactgca ctccagcctt 120
tacagtaagg aaaacagaag cccagagaga tctgatctgg ttcccatgtg gggtccgaag 180
ccactctgcg gccattgcct ttgtcatcct gcagggtgga gacagctttg cctcccttttt 240
gcgtttggga tttttcagaa taactgtagc cagtgcttcc tgtttatgag tactgttcat 300
ccaaataatc cttcgggggt ccttctgggg ggtgtgtggg aggagcaaca caaacaccca 360
gcaattggag aaaacagaag aaaagcgata atgtggtctg gagactagag gatagctctg 420
cggtcagccc tgccctcggg aactgctggg gaggtgggat ggggtcaggg agtggacctc 480
ggncgnnacc cccttaaggg cgaattccag cacactggng gccgntntn         529
```

<210> 132
<211> 341
<212> DNA
<213> Homo sapiens

<400> 132
```
gcgagggtga gggccccctg ctgcgctggc tcaaggtgaa cttcagtgaa gccttcattg 60
cctggatcca catcaaggcc ctgagagtgt ttgtggagtc cgtgctcagg tatggactac 120
cagtgaactt ccaggcagtg ctcctgcagc cgcataagaa gtcatccacc aagcgtttaa 180
gagaggttct aaactctgtc ttccgacatc tggatgaagt agccgctaca agtatactgg 240
atgcatctgt ggagatcccg ggactgcaac tcaataacca agactatttt ccttatgtct 300
acttccatat tgaccttagt cttcttgact agaaaggcca g                   341
```

<210> 133

```
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 401, 526, 528, 529
<223> n = A,T,C or G

<400> 133
ccagagtggt agaagagata cggagtagga attaaaccac acaatgttat ttagggacta 60
agccatgccc ctaacaagaa aacaagccaa aaggaaagta ttaggcattc tctgggaagg 120
catgcatttt tttcccatgt ctctggggcc aaaaacctta taccaagtac ctattggcac 180
ccgaatatat ttgtagaatg aatgaataca tgaaaaaaaa taaacagtaa cctttctcct 240
atattctact ttccaagcca attaataagc aagtgtcttt cgtcatgat ttttttttgtt 300
ttctgtttag gatttaacaa aatggttgag ataacagtca cttctgtttg atgaagagta 360
tcacttcatt ccattttgt gtttttgttg gcatctccaa ntcagaataa atgccttttg 420
gagcagatat atttcattta gcatttagta tcatcttcat caatactcgt atgaacgaaa 480
aaataaaaag ccctctttta ttccactcta caaccgcatg tcaaangnng atctgg    536


<210> 134
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 159, 454, 482, 524
<223> n = A,T,C or G

<400> 134
aaaggctata tttttcagca tgtaggtagc tacactgtaa tcctgttgaa gaaactttcc 60
tatttaagct tataggatga aaatatataa ttaaagtctt ctgatcatag cttgagacca 120
tcaagggaat gtttagtttc ctccacaaag agccaccang attttctcat aatctccttt 180
ggtttcatcc aggatggctt ggcaaaggga gataccatac atcttctgat agaatgcttt 240
gatatcattc atgtcaattt cagaacggga aaccataatc ctgatcaatg ccttatggcg 300
agttccaaca cctttcatgg cttgatgaag cttctctgca aagaaagctg gtttgcttgt 360
ggcgcacttc acgatagctg tgaggcattt ctcaatgtca cctttcaact ccaggtccag 420
aactttgttc atgtcatgct tactgtactt gggngtattt ctgaaacact ctgcgaagtt 480
gnggatagct tctggtggta aggatggtat tgaacacgtt tacntctgtc ccctttc    537


<210> 135
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 326, 354, 400, 410, 418, 469, 493, 518
<223> n = A,T,C or G

<400> 135
ctgcaggaag aggtggaggg gggcctgtca ttatgtttcc cccccacccc ccaacnaaag 60
gaaaactaag actcccaaca taaacagggc cttgagggggg ggggattaca ggcacttggg 120
```

```
catggagtct tcggctgcag gaagcactcc gcttattctt caggaatggg aaaggcgtga 180
cccaacgaga gcatctgtct cagagctcca ctcagggtca cccctctcca gaggccggta 240
tggggtggct tcagacttcc actgcacgac ctggagcacc aagaccacac accacaatac 300
caaattcacc caagaagagg tttcancatt gtgtaggttg gagtaaaact gcanagcagt 360
tccagggggt gtccatggaa ttttctgggc ttcagagcan ctaattgtan tgttcaanga 420
gatgatggag ttgcagagag acctggtgcc aaatcgaagg atacaggcng acaccaagaa 480
ccaggaagac ggntatagct gaaatggact ccggcccnaa caccctaagg gg          532
```

<210> 136
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 492, 534, 535
<223> n = A,T,C or G

<400> 136
```
aaaacaggcc cagtcaatgc catttattat acatgtcaaa cagcttctaa gaccgaaggg 60
ctcccataat aaggtttttgg ggattttttg ttttgttttt cattttcttt tttgcatcaa 120
acaggttctt ccaaaagcct gctcacaagg tagacaaaaa cataaatctt caggaaaatg 180
aaacaagaga agctgaaaca atctacacct gaatgttaaa aaactcatca gacacaaacc 240
acaccaaaca ctcatcccat ttaatttcct gttacatgct ctgaggaagc caagaacatc 300
aggccccagg gcagcaatgc tctaggattc cagctcggac cccctctata tgacagattc 360
atgcacacac atccacacac catataacca ggcagaaata cacatgcatg cacaggtggc 420
tagagaacca tagggcagga tgggaaaaag ggctgatcaa ggatatgcaa tcaactggaa 480
actgggacct anagaatgct tctgtgcagg atgaacatga gttaaaatta aaann       535
```

<210> 137
<211> 536
<212> DNA
<213> Homo sapiens

<400> 137
```
ccaggctggt ctcgaactcc tggtctcaag tgatccgccc gcctcggcct cccaaagtgc 60
tgggattaca ggcttgagcc accatgcccg gccagactta cttttttgtt aacggtcttt 120
gaacctttttc acggcacaca tgtaaggccg cctgtgacat gtggtaccct ggcctccaac 180
tggacacaac tgcatttata gtttagcgaa aatacaaagt tctgaaagta gccttaaaag 240
aagtgccctt tgctttgaca tagcaatatc aaaagcaagt gggactgtgc aatcagagcc 300
atgagttttta tgaaaactac tttcctttca catcatttgt tagagaatgc cacacccatg 360
atcatgtaac attattacaa tcatgaaata ttactacatt cgtgattaac attacccaaa 420
aggcacatct tcaaatgttg aattaagaaa atccaaaaat caaaacagta gagaatacat 480
taaaaatcaa gcatttaatt tgtaaacctt aatgaaataa cagcctactc cagttt      536
```

<210> 138
<211> 533
<212> DNA
<213> Homo sapiens

<400> 138
```
ccagacaatg aatgagaagc aactcttcca tgggacagat gccggctccg tgccacacgt 60
caatcgaaat ggctttaacc gcagctatgc cggaaagaat gctgtggcat atggaaaggg 120
aacctatttt gctgtcaatg ccaattattc tgccaatgat acgtactcca gaccagatgc 180
```

```
aaatgggaga aagcatgtgt attatgtgcg agtacttact ggaatctata cacatggaaa 240
tcattcatta attgtgcctc cttcaaagaa ccctcaaaat cctactgacc tgtatgacac 300
tgtcacagat aatgtgcacc atccaagttt atttgtggca ttttatgact accaagcata 360
cccagagtac cttattacgt ttagaaaata acactttggt atccttccca caaaattatt 420
ctccatttgt acatatctag ttgtaaaaca agttttagct ttttttttaa ttcctcttaa 480
cagattttc taatatccaa ggatcattct ttgtcgctgc agtcagtctt tct         533
```

<210> 139
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 313, 412
<223> n = A,T,C or G

<400> 139
```
aaggtgctcc ttgccgccgc cctcatcgcg gggtccgtct tcttcctgct gctgccggga 60
ccttctgcgg ccgatgagaa gaagaagggg cccaaagtca ccgtcaaggt gtattttgac 120
ctacgaattg gagatgaaga tgtaggccgg gtgatctttg gtctcttcgg atagactgtt 180
ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240
aacagcaaat tccatcgtgt aatcaaggac ttcatgatcc agggcggaga cttcaccagg 300
ggagatggca cangaggaaa gagcatctac ggtgagcgct tccccgatga gaactttgcc 360
aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga anaactggga 420
gcccgttggt gtctttgcct gcgttgg                                     447
```

<210> 140
<211> 397
<212> DNA
<213> Homo sapiens

<400> 140
```
aaatgcattt tatttttaga caacctacat gacatgtttt tcttaaaaac aatgcctcca 60
ctccaaataa atcacagtca aaataaatga agagctcaag atgacatcag tcccatttgt 120
cttaagtcct ggtgttgtgt ggatgacaag cagaagccag ttatgatgac aggtgataga 180
tccaaaataa ttgccacatt tgttaacatt tttccatttc taaaccatcc ttaaagaaaa 240
tcatatatgg ggtcacacca tcctcacggt agtccaatag agcaaccatg ccatctggat 300
tcatgttttc accaataaag aactggtagt ttttgaaatt agcaaggatg tgcttgattt 360
gttctgcagc ccctgtcata aaaggtttta ctctttc                         397
```

<210> 141
<211> 358
<212> DNA
<213> Homo sapiens

<400> 141
```
atcaagcaca tccttgctaa tttcaaaaac taccagttct ttattggtga aaacatgaat 60
ccagatggca tggttgctct attggactac cgtgaggatg gtgtgacccc atatatgatt 120
ttctttaagg atggtttaga aatggaaaaa tgttaacaaa tgtggcaatt attttggatc 180
tatcacctgt catcataact ggcttctgct tgtcatccac acaacaccag gacttaagac 240
aaatgggact gatgtcatct tgagctcttc atttattttg actgtgattt atttggagtg 300
gaggcattgt ttttaagaaa aacatgtcat gtaggttgtc taaaaataaa atgcattt    358
```

```
<210> 142
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526, 529
<223> n = A,T,C or G

<400> 142
ctgcttccat tggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct  60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcactcaaag 120
cttcatggtg catttcgaca gattttactt ccgttgtaac gttgactgga gcaaaggtga 180
ccaccatacc gggtttgaga acaccagtct ccactcggcc aacaggaaca gtaccaatac 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtccaga gcctcaagca gcgtggttcc actggcattg ccatccttac 360
gggtgacttt ccatcccttg aaccaaggca tgttagcact tggctccagc atgttgtcac 420
cattccaacc agaaattggc acaaatgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggntgna gggggg      536
```

```
<210> 143
<211> 375
<212> DNA
<213> Homo sapiens

<400> 143
aaataaaata tgcttattaa acactcctgc aaagatggtt ttattagtac cctggtcatt  60
ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120
ataaaaacgc tacattgtgt gtatttttg ttcagctaag aattggaaaa gtatttgctt 180
gccttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240
ttgcataaaa tgcaaatcgg tgcctgtgct tgaaggttgc tgtagagcat ctgacccctt 300
attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacaggtg 360
tttctatcta gattt                                                  375
```

```
<210> 144
<211> 421
<212> DNA
<213> Homo sapiens

<400> 144
aaagatcaac ttttattgta acaaatataa agtcatcaat gttttacaaa ttgtcaaaaa  60
tgctttaagt acaaaaaaat acattagtaa aatgaaagtt atgttgtatt atttggtata 120
cacttaatac tgccaacatg cataacacat gccagaaaag ctcatgcatt attggaagag 180
aaaagaaatg tgatgtaact gctatattgt ctgattataa attcattgct tcagtcagtt 240
ttctttcttc agggatacca tttacctgca atgtgtaaga atgaatatgg gcaggagtta 300
gtcagggcat ggatactttt agattttgag caaagcaaat tatggcaagg agaaagtttc 360
catcttctta atacaatgta aaataattac attgcattat ttctctgtat ttggtttttt 420
t                                                                 421
```

```
<210> 145
<211> 342
<212> DNA
<213> Homo sapiens
```

<400> 145
aaaacatcca aagcccagtt aaatttggtg ccagaaactg aggcaatgga aaaagctgtt 60
gatagcctca cgaatcttaa ccctgtcact tgggttaaaa ccattggaaa ttccactatt 120
gcaaattttg tattaatcct tgtatgtctg tcctctctat tgttagtcta caggtgtatc 180
cagcagctcc ggagagacag cggctagcga gaacggacca tgatgatgat ggcggttttg 240
tcaaaaagaa aaggggggata tgtagggaaa agagagagag atcagactgt tactgtgtct 300
atgtagaaag ggaagacata agagactcca ttttgaaaaa gg 342

<210> 146
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 32, 48, 50, 55, 62, 68, 74, 76, 80, 84, 93, 99, 101,
106, 110, 114, 120, 122
<223> n = A,T,C or G

<400> 146
tgtaaatacg gaacntcacc taataagggg gnccggaaat ttgggggncn ccctncttta 60
gnaatggncc aatngncctn ccgnagaccg ggnctccgnc nccagnttgn tggnaatggn 120
gnaatta 127

<210> 147
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 81, 88, 97, 133, 159
<223> n = A,T,C or G

<400> 147
cgaagacctt tgctctgctg ctgctgtccc tgttcctggc agtgggacta ggagagaaga 60
aagagggtca cttcagcact ntcccctncc tgcctgntgg atctcatgct aaggtgagca 120
gccctcaacc tcnaggcccc aggtacgcgg aagggactnt catcagtgac tacagtattg 180
ccatggacaa gattcaccaa caagactttg tgaactggct gctggcccaa aagggaaga 240
agaatgactg gaaacacaac atcacccaga gggaggct 278

<210> 148
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 132
<223> n = A,T,C or G

<400> 148
ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60

```
gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120
tggaaggaag gncctattgt acttactaag ccccagagat cctgcacata cagtacgaga 180
aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240
ccgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300
cgcccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggatc 360
tgccactgga gacgttcagc ctaccatgaa tgccatcgcc agcttggcag caacaggact 420
gcatcctggt ggcaaggacg gagagcttca cattgcagaa catcctgcag gacatctagt 480
tctgaagtgg ttaatagagt agataaaaag atgaaagaaa atggggagag aaggttgg   538
```

```
<210> 149
<211> 121
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 6, 14, 29, 35, 42, 50, 55, 56, 70, 88, 93, 95, 106, 107, 117
<223> n = A,T,C or G
```

```
<400> 149
tccaantctc gggncggggg ccctcaaant atccntatgg ancaaggtgn tgtannatct 60
accctatctn tcaggataac gatcaacntt tananctcat ctactnnttt cctacantat 120
c                                                                 121
```

```
<210> 150
<211> 537
<212> DNA
<213> Homo sapiens
```

```
<400> 150
ctggccaacg gggccctcaa agtctccgtc tggagtaagg tgctgcggag cgacgcggcc 60
tgggaggata aggatgaatt tttagatgtg atctactggt tccgacagat cattgctgtg 120
gtcctgggtg tcatttgggg agttttgcca ttacgagggt tcttgggaat agcaggattc 180
tgcctgatca atgcaggagt cctgtacctc tacttcagca attacctaca gattgatgag 240
gaagaatatg gtggcacgtg ggagctcacg aaggaagggt ttatgacctc ttttgccttg 300
ttcatggtca tttggatcat cttttacact gccatccatt atgactgatg gtgtacagct 360
cccaagtgct ccctatccag tccaaaggac cctcttgatt acagcacaag gaacttgatc 420
gttggggaac cccaccccтt ggaacttgga agaccctgtt cctggaccg cgaatcagtg 480
tggttgggca tcaagtgttt tcttgcaagg gttgtgacct gaaactttta cctgccg    537
```

```
<210> 151
<211> 384
<212> DNA
<213> Homo sapiens
```

```
<400> 151
aaaagaaatc atggtacttc ttagagcaat ttgcaaaagg ggaaaaaagt cttaggctca 60
ctccttggaa ataaatatca agtaaccata aaaatattca gccatttttc agttattcgg 120
ggagttcagg catggtccca cgcagagcat cagagttcct cttttgaaata acccagcttt 180
gccaatgaca tctctttttct caactgcata acctcccaaa acatctgatc aacatcctgc 240
tgtttcacga gtccctgctg aatgtatcga atgtatgtaa aaaagttaca tacagaagtg 300
atcctgtatc tgcaaaaagg agaaatataa taatagttgc ttgagtcccc taatttaatt 360
ctgtgtttac aggacttact ctgg                                        384
```

```
<210> 152
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 351
<223> n = A,T,C or G

<400> 152
ccaactcagc ttttgtggag cgagtgcgga aacggggctt cgaggtggta tatatgaccg   60
agcccattga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctggtct  120
cagttaccaa ggagggtctg gagctgcctg aggatgagga ggagaagaag aagatggaag  180
agagcaaggc aaagtttgag aacctctgca agctcatgaa agaaatctta gataagaagg  240
ttgagaaggt gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca  300
cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact  360
ccaccatggg ctata                                                   375

<210> 153
<211> 289
<212> DNA
<213> Homo sapiens

<400> 153
ccagagcatc tcgtgtggac catctaggct ccttgggctt caagcaggac ctgagccaca   60
tgctccctgt acgagctgtg ctatacctgt cccacatgag cacggagagc ctcatgttgg  120
tgggtttcca gagtgatgtg aaagcctctc accccaatcc tcggagactg agttccacaa  180
ctttttttagt agctcatagt gttattttttc tactctcttc atgaaactaa ctttattttta  240
taataaatat atattttctg tcaaaaaaaa aaaaaaaaaa aaaaaaaaa                289

<210> 154
<211> 73
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 14, 29, 37, 44, 54
<223> n = A,T,C or G

<400> 154
tcctngagtc atanctgttt cctgtgggnc atatatntgc atcngtggag cggnccgcca   60
ttgcgatgga tat                                                      73

<210> 155
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 12, 17, 46, 71, 76, 104, 116, 126, 129, 149
<223> n = A,T,C or G
```

```
<400> 155
cttnagacaa angactnaaa acactctttt aatgcaagcc tgaatnttca agcacataaa  60
atctttcttt nttaanctta atttcaacat cactggaata aatncctatc gttaanccct  120
gatatncant cttaaccact tgcagccant gttcatgagg caaaacgtga cccaccagac  180
tttgttcaag ttctcctcct agggcgtcta cattcacggc ggtcactccg tttctgtctc  240
cttttgtttg gcacctgtca gtggatggaa gatgaaagtt tcaaagctca tggtaacagc  300
agggttctct accccagggg tttctacctg tgtctggcag tgccttagga ggatgatcca  360
gaggcttcgg aggagggcga cgtgggaagg agcaggtagc ccaagctccc atctcccacc  420
c                                                                 421

<210> 156
<211> 339
<212> DNA
<213> Homo sapiens

<400> 156
ctgagcaaag gacagtctta cagcgtcaat gtcaccttca ccagcaatat tcagtctaaa  60
agcagcaagg ccgtggtgca tggcatcctg atgggcgtcc cagttccctt tcccattcct  120
gagcctgatg gttgtaagag tggaattaac tgccctatcc aaaaagacaa gacctatagc  180
tacctgaata aactaccagt gaaaagcgaa tatccctcta taaaactggt ggtggagtgg  240
caacttcagg atgacaaaaa ccaaagtctc ttctgctggg aaatcccagt acagatcgtt  300
tctcatctct aagtgcctca ttgagttcgg tgcatctgg                        339

<210> 157
<211> 346
<212> DNA
<213> Homo sapiens

<400> 157
ccagccctcc tgtcttctcc ccgtaccttg tagttagacc gaggtgagaa tcctgctgac  60
cccagtccca tcccctctca tttcaggaaa acccttttgt gattcaggta gggggagagg  120
aggagttaag ggctccgttt actcccaagt catggatttt taatattcca tttttatcac  180
taatatacct ctcttcctag aagctactgg agtattgagt gttgtgggaa aaggctaact  240
gtgaattaag ttaatgtttt tcttataaga aatggaagtt tattttttta ttgatattac  300
tatgtgatga actgagtatg catatactga aatggaagga aattttt              346

<210> 158
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 501
<223> n = A,T,C or G

<400> 158
aaacaaggtt tccccatgaa gcagggtgtc ttgacccatg gccgtgtccg cctgctactg  60
agtaaggggc attcctgtta cagaccaagg agaactggag aaagaaagag aaaatcagtt  120
cgtggttgca ttgtggatgc aaatctgagc gttctcaact tggttattgt aaaaaaagga  180
gagaaggata ttcctggact gactgatact acagtgcctc gccgcctggg ccccaaaaga  240
gctagcagaa tccgcaaact tttcaatctc tctaaagaag atgatgtccg ccagtatgtt  300
gtaagaaagc ccttaaataa agaaggtaag aaacctagga ccaaagcacc caagattcag  360
```

```
cgtcttgtta ctccacgtgt cctgcagcac aaacggcggc gtattgctct gaagaagcag 420
cgtaccaaga aaaataaaga agaggctgca gaatatgcta aacttttgga cctcgggcgc 480
gaccacgcta agggcgaatt ncagcacact ggggggcgt tctagtggga tccc        534
```

<210> 159
<211> 419
<212> DNA
<213> Homo sapiens

<400> 159
```
gcgagcgtct gggcgggtgg taggaacaat ggcgctgtct taagtggcac agtggagcag 60
ctctgaagat gcaaagatac acgaaaaaac ttccagaaca tctgggagaa tatttaatgg 120
aaaatcgctt ggttaaaacc tgacacttt aacagtgaac agcgttctga gtgtggacga 180
gtagccagtg aagataatga atgtcgaatg tgactgacta gcagcttcat tttgaatgag 240
ggtcgctgtc tgcccattga tagaggccag attgtcttgg aagttccaaa gttgcaacga 300
tttctggcta gtgccacgag gtttacttga ctgttgtgtg aaaagctgat aagaaaacca 360
tccagaaaaa agctcttcgt tttacaaaca tgaaaataaa acatgtaatt ttggattac  419
```

<210> 160
<211> 541
<212> DNA
<213> Homo sapiens

<400> 160
```
gggatcgcaa ggctgaggat gccaggaggg actatgaaaa agccatgaaa gaatatgagg 60
ggggccgagg cgagtcttct aagagggaca agtcaaagaa gaagaagaaa gtaaaggtaa 120
agatggaaaa gaaatccacg ccctctaggg gctcatcatc caagtcgtcc tcaaggcagc 180
taagcgagag cttcaagagc aaagagtttg tgtctagtga tgagagctct tcgggagaga 240
acaagagcaa aaagaagagg aggaggagcg aggactctga agaagaagaa ctagccagta 300
ctccccccag ctcagaggac tcagcgtcag gatccgatga gtagaaacgg aggaaggttc 360
tctttgcgct tgccttctca cacccccga ctccccaccc atattttggt accagtttct 420
cctcatgaaa tgcagtccct ggattctgtg ccatctgaac atgctctcct gttggtgtgt 480
atgtcactag ggcagtgggg agacgtctta actctgctgc ttcccaagga tggctgttta 540
t                                                                 541
```

<210> 161
<211> 293
<212> DNA
<213> Homo sapiens

<400> 161
```
ccaccgacag acctgggctc aaattggacc tgctgctttt gactgtgaga ccttccataa 60
gctccttttg ctccaagcct cagtttctc ctctgtgaaa cagagaaaat cgttcctatc 120
agagttctta tgaggatgaa atgggatttt ggatgtaaaa tgcttccatc cagtacctgc 180
taaacaaaat gcttactaat ggccgggcgc ggtggctcac gcctgtaatc ccagcacttt 240
gggaggctga ggcgggcgga tcgcttgagg tcaggagttc gagaccagcc tgg        293
```

<210> 162
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> 458, 528
<223> n = A,T,C or G

<400> 162
aaaactgcaa gcaccatgcg gttcatacaa tcttgttatt actgttaatt tatcaactaa 60
tacaaactca aaaatgcatc cggccagcag cgccagcaat ttcaaatggg aacttaaaaa 120
tacactttta ttttggtatt tttgtcagtg caacttaaat ccttttactg acctgcagaa 180
aaaaaaagta ataataaaga aaaacaccca tatcttccct ataactacta tacaactgaa 240
gaattgaagg ggggggacac caccaagaac tcttcctact atctcaaaag cagggaaaga 300
aacgcaatgc attggtctaa agaacgcact tgaaagttgc aaaattactt gccaatgttt 360
gggtttctgg tacattctga gcatagcagt tggttcagtg cagtgtctgc ttaccagtgc 420
actgccaggg tcagggatgg ctaagcctct caccctanga gcgctgtggc tcctacaatt 480
agcgcaggcc cagagggttc agaagggacc tcagggtgat tctggttnca taaaaa    536


<210> 163
<211> 533
<212> DNA
<213> Homo sapiens

<400> 163
gagcccacag gggaagagca gcggaagggg cctttcggaa cgatttggaa tgaaaggaag 60
tggaagaaac gcggaaccat ggccgctgtg gttgctgttt gcggtggtct agggaggaag 120
aagttgacac acttggtaac ggctgctgtc agccttacac atcccgggac tcacacggtg 180
ctttggagaa gaggttgttc acaacaggta tccagcaatg aggacctgcc catttcaatg 240
gaaaatcctt ataaagaacc tcttaagaaa tgtatcttgt gtggaaagca tgtagattat 300
aagaatgtac agcttttgtc ccagtttgtt tctccattta ctggatgcat ttatggaagg 360
cacattacag gtctttgtgg gaagaaacag aaagaaatca caaagcaat taagagagct 420
caaataatgg ggtttatgcc agttacatac aaggatcctg catatctcaa ggaccctaaa 480
gtttgtaaca tcagatatcg ggaataaatt ctatcacgtt ccctaataaa ctt       533


<210> 164
<211> 331
<212> DNA
<213> Homo sapiens

<400> 164
ccagaccatt ggctaggacc tggctgtatt ttccatcctt tacatccttc tgtctgttca 60
agaaccagtc tgggatcttg tactggcgtg gattctgcat aatggtgatc acacgttcca 120
cctcatcctc agtgagttct cccgccctct tggtgaggtc aatgtctgct ttcctcaaca 180
ccacatgagc atatcttcgg cccacaccct taatggcagt gatggcaaag ctatttttcc 240
gccgcccatc gatgttggtg ttgagtactc gcaaaatatg ctggaacttt tcagggatca 300
ctagagacat ggctgcagca caagcggcgg c                               331


<210> 165
<211> 200
<212> DNA
<213> Homo sapiens

<400> 165
ccacctggaa ccaccctgtc ctgtctgttt acatttcact atcaggtttt ctctgggcat 60
tacgatttgt tcccctacaa cagtgacctg tgcattctgc tgtggcctgc tgtgtctgca 120
ggtggctctc agcgaggtac ggggagggcg tcaccctgca gaacggcaga gtgacgcgtc 180
ctctcgctgc tgagcaccag                                            200
```

<210> 166
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531
<223> n = A,T,C or G

<400> 166
```
ctggtggtta acaagtggat cgtcatgttc agtagtttat acattatgtg agaagtaacg 60
ttctgattct ttttcttaca cagaattggc agagggggtc gatttgggag gaaaggtgtg 120
gctataaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac 180
aatactacag tggaggagat gcccatgaat gtggctgacc ttatttaatt cctgggatga 240
gagttttgga tgcagtgctc gctgttgctg aataggcgat cacaacgtgc attgtgcttc 300
tttctttggg aatatttgaa tcttgtctca atgctcataa cggatcagaa atacagattt 360
tgatagcaaa gcgacgttag tcgtgagctc ttgtgaggaa agtcattggc tttatcctct 420
ttanagttag actgttgggg tgggtataaa agatngggtt tgtaaaactt tctttcttan 480
aaatttattt cctanntctg tacanntggt tgnttagatg tcnctatcat ntc        533
```

<210> 167
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 474, 510, 520, 565, 577, 586, 595, 603, 604, 610, 623, 626, 631
<223> n = A,T,C or G

<400> 167
```
ccttccagca ccgttctgtg tcctggtcgc agttcaacaa ggagatcctg ctgggccgtg 60
gcttcacctt ttggcagtgg tttgatggtg tcctggacct caccaaacgc tgtctccgga 120
gctactggtc tgaccggctg atcattggct tcatcagcaa acagtaccgt tactagcctt 180
cttctcaatg agcccgacgg aacctttctc ctccgcttca gcgactcaga gattgggggc 240
atcaccattg cccatgtcat ccggggccag gatggctctc cacagataga gaacatccag 300
ccattctctg ccaaagacct gtccattcgc tcactggggg accgaatccg ggatcttgct 360
cagctcaaaa atctctatcc ccaagaagcc caaggatgag gctttccgga gccactacaa 420
gcctgaacaa gatgggtaag gatggcaggg gttatgtcca gctaccatca agangaccgt 480
gggaaaggga ccaacccact ttctaccccn aacttcagan gcctaccatg ggggccttct 540
tattaccttt ggaaaggccc ctganttcct ccatgancat tccagnttgg cccanaaatt 600
ggnnccccan ggggacccca ccncantttt nctcct                           636
```

<210> 168
<211> 93
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 59, 74, 76, 85
<223> n = A,T,C or G

```
<400> 168
ccttccagca ccgttctgtg tcctggtcgc agttcaacaa ggagatcctg ttgggccgnt 60
ttttcacctt tttncntctt tttantgcgc ttt                             93


<210> 169
<211> 479
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,
342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,
470
<223> n = A,T,C or G


<400> 169
caaaaggtga ctagacatac ttggaagttc aaagcagtag gatgtagctt gcagggaaaa 60
gaaaaccctt ttccatgttg ttaggcagaa gtatatcaaa tatatcccaa ttccacttga 120
taaagtcagn ttggatgacc tccttnaacc aatctanggc anaacactta gtaaaagcgg 180
gccctgggtg gggatgtgaa tccaggagaa gaggggcacc annatcccat gcagcgccaa 240
acacatccat tccaccctct aacacatacg angcatgtca ccccattgcc ctggacacaa 300
gatntacnat aacagnnagc taatgggcac tgctcccacn gnctggggnt ttctaatggg 360
ctttaaaatt caaggccntg gaaaaaaatc cttttacccc ccaancacna aacttggcct 420
ttngaccttt ccnncatnac aggatnttnt ggggggaaaa ttctttnggn tccccatac  479


<210> 170
<211> 315
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 72, 118, 120, 125, 128, 130, 138, 154, 155, 162, 175, 176,
190, 194, 214, 250, 262, 269, 291, 293, 309
<223> n = A,T,C or G


<400> 170
aaattgctac gtcagtacac caaggagtct agtgatctac atgactacat gaaaagcttg 60
aattatacct gngatccaat ctccagctca ctgaatcagt ggcggggaag ggaaaaanan 120
aaaangangn aaaaaganag atttcattaa tagnnccttt tnaaactcca aaatnntctg 180
catttaagcn catncaatca ggtaccttaa agangaccat ttttgttctt tgcaatttgt 240
ataccagaan cactccttcc anactcacnt gaatttattt ccttcccaat ncntgacaat 300
gcccttggnc ttgaa                                                 315


<210> 171
<211> 625
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 41, 203, 288, 308, 401, 403, 415, 470, 490, 531, 535, 540,
```

547, 556, 560, 563, 577, 587, 599, 600, 604, 612, 613, 624
<223> n = A,T,C or G

<400> 171
aaattatttc actgaagctg agattattag tgatacaaag ntaaaatttc aatatttaat 60
ttctctatat attattaata ttaaattgtt ttttacttat aaattcatgt tctcatctga 120
tttaatatta aatttgtata ggtgggcgtt tcttaccatt ttgcacaagt ttttgttttt 180
ctgaaacact taattgtgca ggntgtaaaa aagattagtg cattttcatt ttaaggatgc 240
tttgctcctt aaattgttcg acagaaatga ctttttaggg aaagtagntt ttttggagct 300
actaactngt atttattatt gtacatgcat aaccagggtg gtgagggcac taatcttgta 360
ggaaacactt acttgatgtt ttatttgaac ttttcctata ngntaacttt tctgnataga 420
attaacacta ggaacagtgt catgaaatct gggttgaagg agaatacagn atatatgaga 480
accttaaagn tcaaatagga aatcatttct gaagacaaaa ccagaggaat nttgntcagn 540
gcccacntaa tgggangaan aangggcggc atttacnctg ggcaagnatt tgagaagann 600
ggcntaaaga anngggaact tacnt 625

<210> 172
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604
<223> n = A,T,C or G

<400> 172
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
ggccagaatc aagttttttcg agtacacttc ccagaaagaa atacgctata acacccacca 180
gcctgagggc tgcattgctg tggaagcagg aatggatacc cttaccatgc atctctgcga 240
agaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
acagnccaag aaatgtgtcc aggctgcgag gaacgagncn agtgacagtt tcgttccact 360
cttacgagac tgcaccaact cggatcatca gaaatggttc ttcaaagagc gcatgttatg 420
aagcctcgtg tatcaangag cccatcgaag gagactgtgg agccaggatc tgcccaacaa 480
agacttncta acaagngacc agaaacccac canaaactan ggttgtattn cttttgaaga 540
agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag gggaataaac 600
tttnggactt tttttggaaa acttttttac ct 632

<210> 173
<211> 271
<212> DNA
<213> Homo sapiens

<400> 173
gaactagcca acttaagaat tacaggaaga aagtggtttg gaagacagcc aaagaaataa 60
aagcagatta aattgtatca ggtacattcc agcctgttgg caactccata aaaacatttc 120
agattttaat cccgaattta gctaatgaga ctggattttt gttttttatg ttgtgtgtca 180
cagagctaaa aactcagttc ccaaatcccc agtttatgca gcgccatcag gtattttaag 240
ctaaacttct tcacccctga gagcatgtca g 271

<210> 174
<211> 311
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 116
<223> n = A,T,C or G

<400> 174
atattttcca atttgctggg atgtcaccta gcaatagctt ggattatata gaaagtaaac 60
tgtggtcaat acttgcattt aattagacga aacggggagt aattatgaca cgaagnactt 120
atgtttattt cttagtgagc tggattatct tgaacctgtg ctattaaatg gaaatttcca 180
tacatcttcc ccatactatt ttttataaaa gagcctattc aatagctcag aggttgaact 240
ctggttaaac aagataatat gttattaata aaaatagaag aagaaagaat aaagcttagt 300
cctgtgtctt t 311

<210> 175
<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 77, 120, 154, 169, 202, 218, 267, 274, 276, 282, 290
<223> n = A,T,C or G

<400> 175
ttggtgcaga aagtgagatt gaaatgtagt ttctttgcag gttatattcc cagaggatgt 60
cagtcccaag gaccagnagc tgccatcagt ttggattctg aaaactaact ggcatcaacn 120
ctgggtgtag aaacatgctt gccttatgta tcanaggaca tgctcagcng atccaagaga 180
tatatttggc aactttttct anaaaaggca cattgggnat cattcattac attcttgagt 240
ttttttgggt ttttttttt tttttnaaa acancnttgt tntttcccn gggtgggagg 300
ggggggg 307

<210> 176
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 183
<223> n = A,T,C or G

<400> 176
aaaaacaaaa acagaatgtt gtacgtgaag attctaggag gggagggacc agcaaatctg 60
agagaaccgt cctggggcct cccttcgagg agccctctga tgtgaggagg gacttgagtt 120
gagtgacgct tgtggtgtga ggtgttctga gctcactgac cggaaggtcc aggtgaatct 180
cgncataagt gatctcaggc tctcacagga tccggaggga aatgtgttag agggtctgga 240
aaattcagtg cttttgagtt acttgttttt attaaaaatt tcctcacaaa agagagtcct 300
caagttgtgg ctgttcttgg gaaaggggtc accgtgtctg acaaagtgta acttt 355

<210> 177
<211> 469
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 103, 109, 137, 143, 167, 189, 192, 200, 213, 256, 270,
279, 284, 326, 337, 349, 363, 372, 373, 378, 387, 393, 417,
423, 434, 438, 440, 444, 450, 461
<223> n = A,T,C or G

<400> 177
```
cctgggctgg gaaaaacttt ggaaccanac tcttgcctgt ttcccaggcc cactgtgcct 60
cagagaccag ggctccagcc cctcttggag aagctcagct aanctcacng tcctgagaaa 120
gctcaaaggt ttggaangag canaaaaccc ttgggcctga agtaccngac tacatggacc 180
tgccttgcnt angagtttgn aggaagttgg agntttgttt tcctctgttc aaagctgtct 240
gttcctaccc catggngcta ggaagaggan tggggtggng tcanaccctg gaggccctca 300
accctgttct ccccgagctc ctcttncatg ctgtgcnccc atggctggna cgaacgactt 360
ctncttctgt tnnccgtnct gtaaaanagt agntttttgt tcaatttaat gcttgtncca 420
tgngtgaata cganggggnan gagnaacctn ctctgagctc ntctttaa        469
```

<210> 178
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 125, 147, 182, 232, 354, 438, 446, 463, 468, 481, 501, 512
<223> n = A,T,C or G

<400> 178
```
ctggtgcggg gccctgcaga tgggaccatc tcaggctggg tccttgtagc ccaggagcac 60
agactggact aagcctcctg ggccttgtat gaaaaaggtg ttgtacctgg ccgttttttgc 120
cagtnataat caataaaata accatantaa aaatcaaagg ctctgttctg accactcttc 180
angtcttccg ctgaaacgga aaagtgcaaa gcaattgaag tacatatgca gnttgtctta 240
acctcaaata gtgccagtcc cacttctttc ctctgatagt ttgttcaagc tcagcaagat 300
gcagaggggc tggcctgttc tccttttgat ttcctccaca aggacttctc ttcngacatc 360
cacctcttcc ctgctcgcac tgaacggagc ttgatgaccc catccttgag ttccttgctc 420
cccgatgata gccaccancg ggatgncctg ccttctcaca agnactgnac tggttcagca 480
nctttgggtt ctctttgtca nacctcaacc tnatccat             518
```

<210> 179
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 61, 68, 94, 105, 110, 121, 149, 160, 187, 191, 248, 275,
317, 336, 339, 355, 360, 373, 385, 394
<223> n = A,T,C or G

<400> 179
```
ccatgctcac ccagccaggc ccgtagtgct tcagtttgaa gatctcatcg gggaagcgct 60
naccgtanat gctctttcct cctgtgccat ctcncctggt gaagnctccn cccctggatt 120
```

```
natgaagccc ttgattacac caatggaant ttgcttgttn tttggagcca aaatcctttc 180
tctcctngta nctaaggcca caaaacttat ccactgtttt ttggaacagt ctttccgaag 240
agaccaanga tcacccggcc tacatcttca tctcnaattc gctatgtcaa aatacacctt 300
gacggcgact ttgggcncct tcttcttctc atccgncgna aaaggtccac ctccngctcn 360
cgaccacgct aanggcgaat ttcanccaca ctgngtggga cgatact            407
```

```
<210> 180
<211> 505
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 473, 491
<223> n = A,T,C or G
```

```
<400> 180
aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccctg cccccagaca ccataaatgc attgtaattt tgaaaatatc tgccaactac 180
acactgaaaa ttttaacccg atcaattgac ataatataaa atctgtccca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ggccagtatt cttaagtgta 360
atgaacatta tttgaacatt caacacatga aaggttaaca aaggctatga acttggtgta 420
acttaaaacg tttcagatgt cggagttcac ccagatgtaa ttgggattca ggngggatcc 480
cgccgacctc ngcccgcgac cacgc                                    505
```

```
<210> 181
<211> 441
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 275, 292, 306, 356
<223> n = A,T,C or G
```

```
<400> 181
aaaatgtaaa aattaatcga atatctatga aagggcacag gaagctagat attttaagga 60
aggaaggtac gctacttaca aagttaactt gtaaccacac aggaggggta aagattctag 120
agaagagcac tttggttaac tctatacgct ctgtggctct acccattcat aaacgagtct 180
ctatgcataa atgagtcacc aatagttaag attaccaaat atatttcaaa cctaaaatta 240
aattatccaa gttgtggtcc ctttattcaa atggnaagta tatccatgca cngaagtcca 300
aatatnttaa aaggaattaa aattaaattg catatatcat attccttcaa tagttngagg 360
gctattgctt ttaacaagat tagtattatt ccattttaat acgtcaggag tacataaaca 420
caagtacacc tgaaatacac c                                         441
```

```
<210> 182
<211> 387
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
```

```
<222> 203, 285, 332, 380, 382
<223> n = A,T,C or G

<400> 182
ggctcacatt gcatgcaagt ttgctgagct gaaggaaaag attgatcgcc gttctggtaa 60
aaagctggaa gatggcccta aattcttgaa gtctggtgat gctgccattg ttgatatggc 120
tcctggcaag cccatgtgtg ttgagagctt ctcagactat ccacctttgg gtcgctttgc 180
tgtcgtgata tgagacagac agntgcggtg ggtgtcatca aagcagtgga caagaaggct 240
gctggagctg gcaaggtcac caagtctgcc cagaaagctc ataangctaa atgaatatta 300
tccctaatac ctgccacccc actcttaatc antggtggaa gaacggtctc agaactgttt 360
tgtttcaatt ggacctcggn cncgacc                                     387

<210> 183
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 60, 63, 85, 111, 112, 120, 123, 160, 163, 252, 258, 265,
271, 282, 294, 319, 340, 343, 344, 369
<223> n = A,T,C or G

<400> 183
aaaacgccta caaacagcct ttttttttta ggcaacaaaa tacgtccagt ccttgacatn 60
ttntcatact cacctagcac cacanatgca aggacctaac agtaaacatg nncaatctcn 120
tgnttaaccc taaagcatgc actgaattga atttgtttgn tgngatctat cctactaaga 180
atgcaataca tacttttttct tactaatatt ttatacatta aattaccctg cagcattttg 240
aaattttaac antgatgnaa aacancttt naaagattta tnaaacaagt ttcnaggttc 300
accttcaggc tggtttggnt aagtggaaaa atggcagcan ccnnaaggtt catactgaat 360
gaaaatggng ttgggtgcat gtcaacccat gtaaaaaata cct                   403

<210> 184
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 85, 164, 186, 191, 208, 234, 244, 260, 272, 318
<223> n = A,T,C or G

<400> 184
ctggaggatg catttctgac cccatcccag acacgtgaaa gcagaagaca tgatgcatct 60
ataataatga aagcacaatc taaanagtat tatcacaccg tgaacagcct cttcctgacc 120
cacagcaaat attaagagaa agacatttta tttacaaaca aganttaata atgctcacaa 180
gaatanagtt ngcccccaaa tggaaaanta cacattattt tgtttcaaaa agcnataaat 240
ttantgcttg aaaaatccan caggtaagca tnaaggacta acagggtctg ttcctggaac 300
tgtccgccag caaatganca tgctcttgtc ctgggaagcc a                     341

<210> 185
<211> 381
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 32, 103, 109, 125, 127, 151, 158, 217, 260, 298, 301, 319,
321, 334, 364, 375, 378
<223> n = A,T,C or G


<400> 185
aaaattgaaa ctgatggaac attctttctt gntcttcacc atctgacaaa ttgaatggca 60
agaggcggat tttgccagtt tcttttcact gatgcagatt tgngttaana tagctctgaa 120
tggangnttt ataaactggc cctgagcatc nataaagnat cagtatctga ccttttttta 180
accttctagg aatttgaaat aaatgtgttt gtgttgnctg attagatgat cattggtgtc 240
ttgccacaat gtttaccttn gccgccgaca cgctaagggc gaattccagc acactggngg 300
ncgtactatt ggatctacnt nggtccaact tgcntaaaca tggcatatct gttctgtgaa 360
cacncccttc cttcnttntt t                                           381


<210> 186
<211> 136
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 76, 105, 117, 126
<223> n = A,T,C or G


<400> 186
ccactttatt ccatataaca cttaaccaga tatcatttac atctgaggaa gagatggccc 60
atgagactga tctatngcaa aacactctaa gaaatgcagt ccaantttat acacttncag 120
gcattnccta gacaaa                                                 136


<210> 187
<211> 553
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 168, 291, 296, 321, 369, 398, 415, 422, 447, 468, 487, 491,
492, 499, 502, 507, 516, 528
<223> n = A,T,C or G


<400> 187
aaaaagagca cattccattc tggtgcacac aaatgtacat taaaaataaa ataaaaaagt 60
gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctcgctggca aatgattcac 120
aaccaaaaca tttctgggat atgtgactta aggaataaaa aaactcangt gttttataaa 180
agggaatggc aggatgagga aatgatttat caagatacaa ttttactaat aattacttct 240
caaataactt aaaaatgttt tataacaaaa aatcaaaatg aaacaaaact nggtangttg 300
aatataagta ttttcaactg ntacaatact tgaggagatt tttcggccta atttctcaga 360
aactcgccna agaatagct attctttaca cagaatanct taaaaatttc catgnggaag 420
cnattatttt aggaattcca aaacttnttt ttttcaaaat gacatacnta atttccttga 480
aaatttnttg nnaaagggnt cntaaanaat taaacnaaac cctgtccngc gctttttttt 540
ttcttttat aac                                                     553
```

```
<210> 188
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 62, 72, 104, 119, 167, 175, 185, 201, 205, 224, 265, 282,
295
<223> n = A,T,C or G

<400> 188
ccacagaagt tgctgctgac gctctgggtg aagaatggaa gggttatgtg gtccgaatca 60
gnggtgggaa cnacaaacaa ggtttcccca tgaagcaggg tgtnttgacc catggccgng 120
tccgcctgct actgagtaag ggggcattcc tgttacagac caatganaac tgganaaaga 180
aaganaaaat cagttcgtgg ntgcnttgtg gatgcaaatc tgancgttct caacttggtt 240
attgtaaaaa aaggagagaa ggatnttcct gtactgactg anactacagt gcctntcct 299


<210> 189
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 100, 109, 121, 126, 131, 143, 155, 156, 164, 169, 170, 181,
203, 219, 232, 239, 240, 258, 272, 274, 284, 336, 404, 425,
427, 432, 443, 453, 467, 476, 477, 496, 508, 515, 528, 532,
539, 542, 544, 573, 576, 590
<223> n = A,T,C or G

<400> 189
aaattattgt taaagaatac acaatttggg gtattgggat ttttctcctt ttctctgaga 60
cattccacca ttttaatttt tgtaactgct tatttatgtn aaaagggtna tttttactta 120
ncttanctat nccagccaat ccnattgcct tctgnnaaag aaancaccnn aaatccctca 180
ngtcccttgg tcaggagcct ctnaagattt ttttgtcana ggctccaaat anaaaatann 240
aaaagggttt cttcattnat ggctagagct ananttaact tcantttcta ggcccctcaa 300
gaccaatcat caactaccat tctattccat gctttncacc tgcgcatttt cttgtttgcc 360
cccattcact tttgtcaaga aaaccttggc ctcttgctaa aggngtattt gcccctttga 420
caaancnggg ancaccctac canggacact atnactcatt ctggtgngca atggtnncaa 480
actataaaga ctgccntggt gcctaatncc ccttngggaa aatgtggnct tnttgactna 540
gnangattat aacctacgga cctggcctgg ccngcncgtt tcaaaggggn aaattccc 598


<210> 190
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 162, 178, 182, 243
<223> n = A,T,C or G

<400> 190
```

```
aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacctctca attcactcat 60
atgtacagac aggattgacg gggggaatcc ctaaactttt tattctaaca agttttattt 120
atttatttcc ttttttgaca tggagtctcg ctctgcgccc anctggagtg caatggcntg 180
gnctcggttc actgcaacct tcgcctcccg ggtttaagca attctcctgc ctcagcctcc 240
cangtagctg ggattacagg tgcatgctac ttgcgcccgg ctaatttatg tattttatta 300
gagatggggt ttcaccatat tgg                                        323
```

<210> 191
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 103, 140, 228, 237, 266, 345, 448, 472, 491, 498, 509, 517,
527, 530, 561, 577, 587, 605, 612
<223> n = A,T,C or G

<400> 191
```
aaaatgtttt atttcatagc tcataaaaaa gcatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacaa atcagttttt cagattttac tgnggaagca tatttaatgc 120
acacatttga atgttacacn taaataattt taacgatgga gtccaagctc tggattttac 180
attagatctg catatataag acacttgtgg tcaaatttca agattggnaa agccagnttc 240
aagctgctta tattttgagt acaggnttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cacgcacaca cattngtaat ttgtgccatt 360
tgctatttcc ctttcttcta taatcttcaa agtatatagt tatgcattga gttcctatgc 420
atcttcaccc tctcctttat ctgaaacngg aaaaagcaca gaaaaaaatc tnaataattt 480
ttcaatcttt ngtcatcntg aaaatagcnt taaatanaaa tgaaatnaan gaacacaaga 540
aaattttcc cccattataa nacttatttc ctgcccngcg gccctcnaaa ggcgaaatcc 600
acacnattgc gnccgttact t                                          621
```

<210> 192
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,
617, 623
<223> n = A,T,C or G

<400> 192
```
aaagtacatt atgagaacaa cagccctttc ctgaccatca ccagcatgac ccgagtcatt 60
gaagtctctc actggggtaa tattgctgtg gaagaaaatg tggacttaaa gcacacagga 120
gctgtgctta aggggccttt ctcacgctat gattaccaga gacagccaga tagtggaata 180
tcctccatcc gttcttttaa gaccatcctt cctgctgctg cccaggatgt ttattaccgg 240
gatgagattg gcaatgtttc taccagccac ctccttattt tggatgactc tgtagagatg 300
gaaatccggc ctcgcttccc tctctttggc gggtggaaga cccattacat cgntggctac 360
aacctcccaa gctatgagta cctctataat ttgggtgacc acgtatgcac tgaaagatga 420
ggnttgtgga ccatgtgttt gatgaacaag ngatagantc tcntgactgt gaagatcatc 480
ctgcttgaag gagcccagaa cattgaaatt ganaatccct atnaaaacaa tcgtgcccca 540
gaaganctgg nctacaccta tctggacact tttggccgcc tgngaatggt ngctacaaga 600
aaantttgga gaacacncat tangacat                                   628
```

```
<210> 193
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 78, 110, 113, 130, 186, 217, 221, 299, 348, 375
<223> n = A,T,C or G

<400> 193
aaacaaaaca aaaaaaagtt tacaaaagaa aaaaagatac agaaaaagaa taacttgctt 60
catatgtccc aaaaaganaa aaaaataaag gggacaatgc caacatgctn aanaataaag 120
gcttcttttn cttatttttt taatacaaaa tacaagcaaa ggatacacat acttaaaaca 180
gagctnagga gcagacacgc agtcctggaa acccttnaat naaagcaaag caggaggttg 240
tttttctt gtctatgcag atacatacag agactgggat atgtaaaaat taagtatcnc 300
aaaagaccat cacacgattc taccaatgca tgttgcatct tgtaattnac gaacatggtc 360
aacaaaatca tgttnacttc aaccccattt cattt 395

<210> 194
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 166, 171, 195, 250
<223> n = A,T,C or G

<400> 194
aaataataca gaacaattaa agctaaccaa gcgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
acttcaacat actatgcggt caaactaccg aataaacttg atgcanacca nctattctca 180
agttgcaata gtatncaatg actttgctga aatgcataaa atggacaagc ctatgtatct 240
gcgcaaccan caggttttt tttattta 269

<210> 195
<211> 179
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 45, 58, 60, 143, 148, 172, 173
<223> n = A,T,C or G

<400> 195
aaacataaaa gtgtttgttt ctgttatgtt accataattt gatgnatata gtgtccanan 60
ccatttagaa atttaatatt tattaataac tgaaactgtt tgtcttcctt tggtatatag 120
tctcgcatat tatattatat cangccanga taaaattttg acagctcttt annccacat 179

<210> 196
<211> 187
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 104, 112, 119, 125, 128, 130, 145, 155, 160, 164, 172, 177, 179
<223> n = A,T,C or G

<400> 196
cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc tttgttcact 60
ggtacgtggg tgaggggatg gaggaaggcg attttttcatt aggncccgtg angacatgnc 120
tgccnttnan aaagattatg atgangttgg acatnatatn cctnactgat anagatnang 180
gttaata 187

<210> 197
<211> 76
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 24, 36, 37, 51, 74
<223> n = A,T,C or G

<400> 197
aacatcctgg tgtttgacct gggnggcgga accttnnatg cgtctcttct naccattgac 60
aatggatgta ttcnaa 76

<210> 198
<211> 170
<212> DNA
<213> Homo sapiens

<400> 198
cctatctggt tggcctttttt gaagacacca acctgtgtgc tatccatgcc aaacgtgtaa 60
caattatgcc aaaagacatc cagctagcac gccgcatacg tggagaacgt gcttaagaat 120
ccactatgat gggaaacatt tcattctcaa aaaaaaaaaa aaaaaaatt 170

<210> 199
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 366, 418, 496, 502, 531, 547, 548, 551, 557, 579, 596, 604, 607, 609, 617, 621
<223> n = A,T,C or G

<400> 199
aagacatccc agcacagcat atcacgctgt ttcttaagta tttgtatttc ctgtacctga 60
agtgtagcga aaatgctact atgactcttc ctggaataca cccacctacc ttgaaccaga 120
ttatggattg gatatgtcta cttctggatg caaatttttac tgttgttgta atgatgccag 180

```
aagcaaagag gctactgata aatctttaca agcttgtaaa atctcagata tctgtttatt 240
ctgagctcaa caagattgaa gtaagttttc gggagctaca gaaattaaat caagaaaaga 300
ataatagagg attatattca attgaagtgc tggagctctt ctgatattat caattctcct 360
tcatanacat tttataaagc tcttttatgt gaactcttgc ttcatccagg caagaacngg 420
gtttgtttgc gaccatctca gggtcaagag aaacgtgaca gtgagtacct ggacccttca 480
cttaactgat gctccngggt angactgcag gttcacatga ccctgttcta ngctgtggac 540
cattggnntg nagaggnctg caattttta ccttgcccng gcgccgctca aaaggncgaa 600
ttcnacnanc tgtcggntgt ntagcg                                    626
```

<210> 200
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 182, 284
<223> n = A,T,C or G

<400> 200
```
cttagggagc tgcanttgag gaattgtctg cgtatcctta tgggggagct ctctaatcac 60
catgaccatc atgatgaatt ttgccttatg ccttgactcc tgccatttat catgagatta 120
atactgtgat tcccgctgtt ttcttttcct tgcatttttcc taatatgcct ttactgatcc 180
gnttgctgtg aaccctatgc tattccatgt gtcaagtggg ccttgtgtct gccagcttct 240
atttgaagat tgcctttgca ctcagtgtaa gtttctgtca gcantagttt cacccatttg 300
catggaaaaa ttt                                                  313
```

<210> 201
<211> 81
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 47, 50, 61, 71, 76, 79
<223> n = A,T,C or G

<400> 201
```
ccacagtgaa gagggagtag gggactcacc cctcctgcct tcctgtnccn aaggggctg 60
ntcaacctat nacggngant a                                         81
```

<210> 202
<211> 115
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 29, 31, 43, 48, 67, 72, 79, 82, 89, 95, 96, 114
<223> n = A,T,C or G

<400> 202
```
gctgatcctg tttatttggc aggaaaacna nacaatccag cancccanga gggacaggtg 60
gacttantcc tnctcctcnt cnactccanc cccannccca ccctggtcct tctng        115
```

```
<210> 203
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6, 18, 42, 72, 83, 97, 102, 117, 119, 128, 143, 144, 152,
159, 166, 174, 186, 189, 194, 198, 214, 228, 232, 246, 249,
254, 274, 285, 291, 293, 308
<223> n = A,T,C or G

<400> 203
cgaggnctgt attttggntt tctccctgtc ccttcctttt tnccctattc tttggcagct 60
tgtatcaaat gntacagttt atnttgtgga ataaatnctt cncctaacat aacactnant 120
gctcattnat ttaaaagctt ttnnagcaca antttcttnt gccccnttta ctgntgcaca 180
ctcatnaang gggntgcntt gcttttgcct ctgncccaac cacggttnca tntatcactt 240
ggatgntanc ctgnaaacaa cattataggg attnacactg ccttntgcgg ncnatcataa 300
ttggcgantt tctacaca                                                318

<210> 204
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 35, 40, 90, 104, 144, 156, 164, 165, 173, 204, 207, 236,
243, 256, 260
<223> n = A,T,C or G

<400> 204
gcctcataca tgccctgagg ccagcangcg cccanctcan gcaacacacg ccttcactta 60
aaaaggccga ggagcggcgg gatccacctn aatccaatta cacntggtga actcccacat 120
cttaaacggt ttaagtcaca ccanagctca tagccnttgt taanntttca tgngttgaat 180
gttcaaataa tgttcattac actnaanaat actggcctga aaaattattt atcttnatta 240
ttnaaaacac tggagncttn ataaaatact tcat                              274

<210> 205
<211> 110
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38, 53
<223> n = A,T,C or G

<400> 205
ctgtcatcac gtcttccacc acaggaatgg agccatanga gcaagcctca tanattcgat 60
agcattctgt gtttactccg accgggcaca atgtgatatc actctgaaaa            110

<210> 206
```

<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 53, 87, 99, 129, 133, 148
<223> n = A,T,C or G

<400> 206
aaaaacaaaa acagaatgtt gtacgtgaag attctaggag gggagggacc agnaaatctg 60
agagaaccgt cctggggcct cccttcnagg agccctctna tgtgaggagg gacttgagat 120
gattgacgnt gcngagagag gttttctnaa act 153

<210> 207
<211> 150
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 56, 71, 75, 112, 120, 122, 130, 135, 144
<223> n = A,T,C or G

<400> 207
aaattgtatt gaacagggca tataaaatgc attctgtacc ctgatctggc atatancttc 60
aaaactgcag nggcnagtgt ccatctctta gaatagctac cttaactgtc cnccccttan 120
tntctgtgcn atccnctctc tgcnttgttt 150

<210> 208
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137,
162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218
<223> n = A,T,C or G

<400> 208
ccaggggtgc taagcagntg gtggtgcagg aggcattgct gatgatcttg aggctgttgt 60
catacttctn atggntcaca cccatgacga acatgggggn attancanan gggcaaaana 120
ttatnacncc ttttncnttc ccccctgcac aatgaatacc cnngtctctt nncatgcccn 180
ggtgnagaga nccccccctg tgncttatac ntacnttntc ttcttccc 228

<210> 209
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 48, 89, 113, 140, 145, 196, 223, 256, 277, 278, 279, 291,

342, 375, 400, 401, 414, 416, 423, 428, 444, 445, 467, 472,
473, 477, 492, 495
<223> n = A,T,C or G

<400> 209
aaaaaaacag aaacaaatca acagctctct acatcatgca tgggtagntt tcttaccccca 60
tcttttttttt tcctcaataa ttaacgcana gaaaccattg tttgaaaaga atntgaaaac 120
ttgctacaga aacacccggn gaaanagggt gtggggcata ttcatgccct agaatgcgcc 180
taccacagtg tagctnttca taaatgcaac attgtagaca tanatgaatc caaagtattc 240
agcagttttc ctccgntcag aagactaaag ctccagnnng acaatgctca ntgaggcttc 300
acagccactg gagggcacca ttacccattc atcttgacat cncatttcca tacaaaagga 360
ccttgcccgg gcggnccgct ctaaaggggc gaagttccan ncccacttgg cggncngttt 420
acntagtngg aattccgacc ttcnngtacc caaagctttt ggtcttnaat tnnattnggg 480
ccattagctt gnttntctct ctgtc                                      505


<210> 210
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 299
<223> n = A,T,C or G

<400> 210
aaaaccatga aagaagttga aggcagcatt cctcagctct gtgacttgtg accctatttg 60
aagtttcagg atttgggtgt cacaaaggat tgtccctaat ccttggccct ggggtcttcc 120
gagtgagctg gtttaatact ctgagaatga gcaggagat ccagagaatg aatccctgac 180
cgcatcacct aaactgtctt ccaaacatga gacaaagctg actgttcaca ctgattgccc 240
agcacatacc gtcttgccag tttcttcttt tctcccagtc tcctgttcat ccattctgnt 300
ctcccttggg gtgggaatct atgatggagg ttactgggga aacagctcac agatttttgg 360
agaccaaacc aaaggtctca ctaggaaatt tatctgtttt                      400

<210> 211
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 13, 14, 20, 35, 36, 50, 229, 274, 427, 434, 501, 522,
564, 565, 583, 594
<223> n = A,T,C or G

<400> 211
caaancaaaa ttnngcccan cgtctttctt tctgnnttat gacagaccan cctccagcct 60
tggtgtggta tctacatgta gccctgcgta ccctgcttct ttttagcatt caagacccac 120
tcaggggcctc aaattagcca atggtgaata tggatatagg acttttagag ggatgcaggt 180
tgagttgtac ataacttaga ggtgaagtgc aggtccgaaa cagggctana ctttggagaa 240
ctgtaaaatg gctcactgag catgacagca tcangacccc tggagtggct ttcaaactta 300
ccttcttctg caggctactt ctggaaatcc ctaggactta ccagctttct gaacactgcg 360
catcatggga gggtgaagag gaaaagggggc tagttaaaat cttgcttcta ctgtgggccg 420
aactcangag gagncctaaa gctaagccct tgggcttgac agctctactt ttcacctcta 480

```
actaccactg tgcccaatga ntgcccgagt gccaagatca anacctcggc cgcgaccccg 540
ctaagggcga attccgcaca cttnnggccg ttactaatgg atncgaactt cggncccaac 600
ttggcg                                                          606


<210> 212
<211> 584
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 339, 418, 430, 437, 444, 446, 453, 480, 508, 514, 529, 530,
540, 573, 581
<223> n = A,T,C or G


<400> 212
aaacaaggtt tccccatgaa gcagggtgtc ttgacccatg gccgtgtccg cctgctactg 60
agtaaggggc attcctgtta cagaccaagg agaactggag aaagaaagag aaaatcagtt 120
cgtggttgca ttgtggatgc aaatctgagc cgttctcaac ttggttattg taaaaaaagg 180
agagaaggat attcctggac tgactgatac tacagtgcct cgccgcctgg gccccaaaag 240
agctagcaga atccgcaaac ttttcaatct ctctaaagaa gatgatgtcc gccagtatgt 300
tgtaagaaag cccttaaata aagaaggtaa gaaacctang accaaagcac ccaagattca 360
gcgtcttgat actccacgtg ttctgcagca caaacggcgg cgtattgctc tgaagaanca 420
gcgtaccaan aaaaatnaaa gaanangctg canaatatgc taaacttttg ggacctcggn 480
cgcgaccacc ctaagggcga attccacnca cttngcgggc cgtttctann gggatccgan 540
ctcggtaccc aaactttggc ggtaatcatt ggncataacc ntgg            584


<210> 213
<211> 419
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 44, 134, 166, 244, 293, 334, 335, 344, 357, 359, 376, 393,
402, 405
<223> n = A,T,C or G


<400> 213
ctggatgaag ttgtgtcaga gaaccagagg cttaaagtcc ctantccaaa gcgaagagtt 60
gtctgtgtga tgatagtatt ggcatttata atactgaact atggacctat gagcatgttg 120
gaacaggatt ccangagaat gaaccctatt gtgagccctg caaatnaaag gaggcacctt 180
ctaggatttt ctgctaaaga ggcacaggac acatcagatg gtttatccag aaaaacagct 240
acanatatga tcattctgtt tcaaatgaca aaccctgatg gtgctaactg aanaaccatt 300
gctttacatt cctccacctc cttgtcagcc cctnnttaac acancagagt ctctcangnt 360
aaaatcatga acttcnaggg atgggttcat atnaccttaa antancaaag gacccatgt 419


<210> 214
<211> 318
<212> DNA
<213> Homo sapiens


<400> 214
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
```

```
ttagatctta ttcatcagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagag                                                318
```

<210> 215
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

<400> 215
```
cccgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccaatg agactctagg gtccagtgga tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgccccc 360
catgaggaag gaacagcaat ggtgtcagta tccaggctnt gtacagagtg cttttctgtt 420
tagttttttac ttttttttgtt ttgtttttttt                                 450
```

<210> 216
<211> 747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422, 432, 550, 560, 569, 577, 580, 584, 605, 614, 615, 625, 640, 647, 669, 673, 687, 693, 701, 704, 711, 726, 727, 736, 738, 746
<223> n = A,T,C or G

<400> 216
```
gcgccggagc tgggttgctc ctgctcccgt ctccaagtcc tggtacctcc ttcaagctgg 60
gagagggctc tagtccctgg ttctgaacac tctgggggttc tcgggtgcag gccgccatga 120
gcaaacggaa ggcgccgcag gagactctca acgggggaat caccgacatg ctcacagaac 180
tcgcaaactt tgagaagaac gtgagccaag ctatccacaa gtacaatgct tacagaaaag 240
cagcatctgt tatagcaaaa tacccacaca aaataaagag tggagctgaa gctaagaaat 300
tgcctggagt aggaacaaaa attgctgaaa agattgatga gttttttagca actggaaaat 360
tacgtaaact ggaaaagatt cggcaggatg ataccaagtt catccatcaa tttcctgact 420
cnagttagtg gnattggtcc atctgctgca aggaagtttt gtagatgaag gaattaaaac 480
cttagaagat ctcagaaaaa atgaagataa atttgaacca tcatcagcga attgggcttg 540
aaatattttn ggggactttn gaaaaaaana attcccnctn aaanaagatg tttccaaatg 600
ccaanaatat tttnncttaa attgnaagtt aaaaaaaaan gggaatnctg gaataccatt 660
tggttccant ctntggggca attttcnaaa aanaaggtcc naantccaat nggcgacaat 720
tgggannttt ttcctnancc atcccnc                                       747
```

<210> 217

<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 442, 507, 536, 540, 569, 613, 628, 637, 643, 661, 676, 689
<223> n = A,T,C or G

<400> 217
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gnagccagtt cctttctgtt accccccatt tgtcaacccg 480
gaacctcttt tttttctttt ccagaangct gagttctcat tgatgtgatt gaaagncctn 540
cccagggggtc ctctggggcc cttacgaana ctggcgtccc ttcagaataa tgtcgacatt 600
ttctggaatg tcnacagctg atgctganaa tagcttnacc tgncccggcg gccctcaagg 660
ngaattccac acactngcgc ggttcctang atc 693

<210> 218
<211> 327
<212> DNA
<213> Homo sapiens

<400> 218
cctgttctgg gagatggtca tattcacctg ccaaaatctg ctggaatcct ttgatggtct 60
ccttcagggg taccagcttc cccatatgac ctgtgaagac ctcagcaacc tggaatggct 120
gagacaagaa acgctgtatt ttccgtgcac gggacacggt caacttgtct tcctcagaaa 180
gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240
tttgcacccc acgggcaaca tcgtaatgct cactgccaac aatgttggga tccatgatac 300
gagaggtgga gtctagagga tccacag 327

<210> 219
<211> 778
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 529, 550, 563, 566, 597, 637, 638, 646, 652, 656, 665,
673, 675, 687, 691, 697, 729, 741, 745, 747, 764, 767
<223> n = A,T,C or G

<400> 219
aaagtgagca gattcatatt tacagtgtga tttttaagga ctgtctatat ccaaattttta 60
ttttcgtgaa cgcttacatt ctaagagcag tacaattagc ctattacgta gggccctaat 120
cttgttagta tagtgttgtt gaaatacttt cttcagcttt tgccttaaca aatccaaaga 180
tggaagatga tgacaatctg gaatattcaa cataacatga aaaaattcat tccacatatc 240
caaatgagga agccttctaa aaagaccttc aggcttacac tctcctcctt catttttcac 300
tttcatgtaa gtgccaaaga gcatgcaata tactgttgca gcaaccccaa agtaatcgat 360

```
ctggtagttc catggtttgt tgctgancat ctcaacacac tgaaaaccag atgtttcaca 420
ctttgctgtg aatatagttc cttttggaaa aagtttcata tctatactct tgacccaggt 480
caatcagtgc caagcccagc agaataaatc atctttcatc atcctgttnc caaaaaatcc 540
gttttccaan tattgaaaat tgnctngggt ttaaaggtct cccttgaatg gaatttncac 600
aagtcattgc cccttggctt caaatccatt gtaaaannca atttcntcat tngccnaaaa 660
ggaanatgga acnangaacc ctttganggc nttcacnttt ttttcaaggg gggtaatttt 720
ttttattana agggttaaat ngggnanttt taaaataaaa tggnttnccc attaaacc   778
```

<210> 220
<211> 312
<212> DNA
<213> Homo sapiens

<400> 220
```
gaggaaagga agatgcactg gtcaccaaga acctggtccc tggggaatca gtttatggag 60
agaagagagt ctcgatttcg gaaggagatg acaaaattga gtaccgagcc tggaacccct 120
tccgctccaa gctagcagca gcaatcctgg gtggtgtgga ccagatccac atcaaaccgg 180
gggctaaggt tctctacctc ggggctgcct cgggcaccac ggtctcccat gtctctgaca 240
tcgttggtcc ggatggtcta gtctatgcag tcgagttctc ccaccgctct ggccgtgacc 300
tcattaactt gg                                                   312
```

<210> 221
<211> 332
<212> DNA
<213> Homo sapiens

<400> 221
```
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgcccaac 60
tgtcaacctt gacaaattgt ggactttggt cagtgaacag acacgggtga atgctgctaa 120
aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggcctgtgtc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg ctaactactt tt                              332
```

<210> 222
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G

<400> 222
```
ctgattcaga tcagagggaa agaaatacca accctgcaat aagtgtacta aactctacgc 60
tctggttaat gtaatgtact ctcctggact gaatgcagtg tataatttct gtctacagct 120
agaagctgtg ccccagttcc acatttgatt acacatgtga gatttgctgc tgttgcagta 180
taaacactag gtataatagg atttgaaatt gcattacagt tcataaaaat tgaaaatgag 240
aaattaaacc tgcaagtgaa acatttgaaa cgattatact ttctacataa gacatggttg 300
ggacatcaga tacttacaaa gatggtttaa gtatggatac tagagaaaat taagttttct 360
ttctctttgg tttattgatt tggnttaatt ccattatgc tattttgcat aatcaaggca 420
ctgtaaatct tataatttt                                            439
```

<210> 223
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 410, 546, 549, 566, 571, 576, 594, 607, 658, 664, 682, 710
<223> n = A,T,C or G

<400> 223
aaaaaatcat acggacaaac aactttcaaa caaaactgga ttagtaggat ttcttgcctg 60
cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120
ccaagctaga gataagaatt cttccctgat gcagttaggg gaaagggaaa ggctagaaac 180
ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240
gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300
aaaagtgcag aagtcatcta gtcgtctgcc tcttcccact gccagtgcct gcagccttgc 360
agcaactttt aaccacccct atggactgga atattgagtt aaaagccaan gctgagctgg 420
ctgacgctgt agtctccatt gaaaaggaaa tggatgggat ggaaccgaga aaccccagta 480
catgatgaca ctcaaaagac ttaggggggaa agagaaggaa ggatttcaga aatggggggac 540
agactnggng gaaaatggtt gggctnaact nggaangaaa tgggggatac ctgnagttaa 600
tattgtncat ttcgaaacca atcaagttgc ctcctggaat ggcaaaaaat caaatggngg 660
aaangggaac cttccttgat antttagggg ccaacaggga ttgggaaaan acttccttga 720
a 721

<210> 224
<211> 665
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 510, 522, 526, 551, 554, 559, 572, 585, 604, 612, 619, 623,
636, 645
<223> n = A,T,C or G

<400> 224
ggaacctgcc atgaacccaa caaatgccaa tgtcaagaag gttggcatgg aagacactgc 60
aataaaaggt acgaagccag cctcatacat gccctgaggc cagcaggcgc ccagctcagg 120
cagcacacgc cttcacttaa aaaggccgag gagcggcggg atccacctga atccaattac 180
atctggtgaa ctccgacatc tgaaacgttt taagttacac caagttcata gcctttgtta 240
acctttcatg tgttgaatgt tcaaataatg ttcattacac ttaagaatac tggcctgaat 300
tttattagct tcattataaa tcactgagct gatatttact cttcctttta agttttctaa 360
gtacgtctgt agcatgatgg tatagatttt cttgtttcag tgctttggga cagattttat 420
attatgtcaa ttgatcaggt taaaattttc agtgtgtagt tggcagatat tttcaaaatt 480
acaatgcatt tatggtgtct tggggggcan ggggaacatc anaaanggta aattgggcaa 540
aaatgcgtaa ntcnccaana aatttggatg gngccagtta atggntgaag ttacagcatt 600
tcanaaattt anttgtcana aantttaaaa aggttnggtt accanttttt acccttgccc 660
cgggc 665

<210> 225
<211> 720
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 488, 495, 547, 554, 584, 652, 655, 680, 682, 692, 697, 698,
704, 707, 715
<223> n = A,T,C or G

<400> 225
gtcctttctc tgaaaggatt tatgtttttc ttcgttagat agtgacttct gagcaagctg 60
atctcccctg gcatgctcca acctgattgg acaaaggaag ctctatggcc tgggagagag 120
actattctta attttttcttt cttacaaaaa ctgatttttc ccataaatat ttttacttca 180
gaggactagg accattttgt tttgggccct tctgctgaaa atttgtctcg tttaagaggc 240
agctagaatc tttaccatat gtatgaattt gtataatttc atttttggat agggataaac 300
ttttgcttct gataaaagcc tggaatttca tctggtcctc agagcattgc gtgtgtgtct 360
tgctgtagcc cggaaaaggt tttgtgtaaa gattctggga tggcaagttg tttgcctttt 420
ctgaaaagag aacatacaga acctgtcatc tttaagacct tcatcccatg gaatctacta 480
tacagganga tgcantgggg ctggaggggg atgggcgaaa atgggggaaca ggaagcctgg 540
cctgggnttc tggncatggg cctcctaaaa ccttaaactt caangtagaa aatgccctca 600
accccctatt tataaaccaa aacttttcct ggcctccccc caaacccccct anaanaacat 660
tacccctggg aattgcccccn cnccctgggt tnggaannca attnggncaa acccngcccc 720


<210> 226
<211> 308
<212> DNA
<213> Homo sapiens

<400> 226
ccttgacctt ttcagcaagt gggaaggtgt aatccgtctc cacagacaag gccaggactc 60
gtttgtaccc gttgatgata gaatggggta ctgatgcaac agttgggtag ccaatctgca 120
gacagacact ggcaacattg cggacaccct ccaggaagcg agaatgcaga gtttcctctg 180
tgatatcaag cacttcaggg ttgtagatgc tgccattgtc gaacacctgc tggatgacca 240
gcccaaagga gaagggggag atgttgagca tgttcagcag cgtggcttcg ctggctccca 300
ctttgtct                                                        308

<210> 227
<211> 277
<212> DNA
<213> Homo sapiens

<400> 227
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
ggtattaggg ataatattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatatc aacaatggca gcatcac                         277

<210> 228
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> 441, 540, 546, 571, 575, 605, 608, 612, 619, 621, 629
<223> n = A,T,C or G

<400> 228
aaatgggtaa agccatttac ataatataga aagatatgca tatatctaga aggtatgtgg 60
catttatttg gataaaattc tcaattcaga gaaatcatct gatgtttcta tagtcacttt 120
gccagctcaa aagaaaacaa taccctatgt agttgtggaa gtttatgcta atattgtgta 180
actgatatta aacctaaatg ttctgcctac cctgttggta taaagatatt ttgagcagac 240
tgtaaacaag aaaaaaaaaa tcatgcattc ttagcaaaat tgcctagtat gttaatttgc 300
tcaaaataca atgtttgatt ttatgcactt tgtcgctatt aacatccttt ttttcatgta 360
gatttcaata attgagtaat tttagaagca ttattttagg aatatatagt tgtcacagta 420
aatatcttgg tttttctatg nacattggac aaattttttca ttccttttgc tcttttgggg 480
gtgggatcta acactaactg tattggtttg gttacatcaa ataaacattt ttccctcggn 540
cgcgancacc cttaagggcg aatttccagc ncccntggcg gccgttacta gggggaatcc 600
ccaanctncg gnccccaanc nttgggcgna atcatgggcc atagctgg 648


<210> 229
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 227, 341, 436, 453, 491, 509, 525, 533, 538, 546, 562, 567,
572, 584, 585, 592, 612, 621, 637, 642, 661, 665, 685
<223> n = A,T,C or G

<400> 229
aaaaatgtaa caaacatcta aatatctgac aataaaatct gaaatgctgt aacttcaaca 60
ttaactgcac catccaaatt cttgtgactt acgcattttt gcccaattta acctttctga 120
tgttcccctg cccccagaca ccataaatgc attgtaattt tgaaaatatc tgccaactac 180
acactgaaaa ttttaacctg atcaattgac ataatataaa atctgtncca aagcactgaa 240
acaagaaaat ctataccatc atgctacaga cgtacttaga aaacttaaaa ggaagagtaa 300
atatcagctc agtgatttat aatgaagcta ataaaattca ngccagtatt cttaagtgta 360
atgaacatta tttgaacatt caacacatga aagggtaacc aaaggctatg aacttggtgt 420
aacttaaaac gttcanatgc gggagtcacc canatgtaat tgggatccag ggggatcccc 480
cccgctcctc nggcttttta aattgaagnc gtgtgctgcc tggancttgg gcncctgntg 540
ggctcngggc atgtatgaag gnttggnttc tncccttta ttgnnggggg cntccatgcc 600
aacctttttt tnacatttgg natttggtt ggggtcnatt gnggggggttc cttgtgcccc 660
nccgnccagg ctccgcgggc cggcntggaa tcc 693


<210> 230
<211> 377
<212> DNA
<213> Homo sapiens

<400> 230
ctgtttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatttaa caagttatca cagatagcta aaaacataga tgcaaatgaa attcccccag 120
agaacaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtggttga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaaa 300
ccacttgaga acaggttaat gaaattattg gtactatact taaaacatta agtaaaagaa 360
gtgaatgaaa ctcattt 377
```

```
<210> 231
<211> 349
<212> DNA
<213> Homo sapiens

<400> 231
ctgaactaga cccaggtgag gcagggctga aaactgccct tgggctgact tttgataggc 60
catgccttgc cactttacaa gttctttttg catttactag tatttaagag taaccttgag 120
attgggagga atagaggagg ctggtacaaa tagatggaga cctgctggga tcagtgaatg 180
cctgattagg acatggggct atgcatagcc taagagttat aggcttaaag atgtcgagta 240
.actaaaaact gtattgctgg ccgggcgcgg tggctcacgc ctgtaatccc agcactttgg 300
gaggccaagg cgggcagacc atgaggtcag gagattgaga ccatcctgg           349

<210> 232
<211> 273
<212> DNA
<213> Homo sapiens

<400> 232
ctggctcagg aagccaagaa actggatgcc aagaccccat cccagcggaa caagtggcaa 60
cagcaggagt taatagcaga gttgaggcgg cgccaggcca aggaacaccg gcctgtttat 120
gaggggaagg atggtaccat cgaggacatc atcacagtgc tgaagagtgt cccttttcacg 180
gcccgtactg ccaagcgggg ctcacgcttc ttctgtgatg cagcccacca tgatgagtca 240
aactgttagc ccccaaggtt ggggcccgac agg                           273

<210> 233
<211> 438
<212> DNA
<213> Homo sapiens

<400> 233
ctgttgaatt gacagaaaaa attgctcagc ttttcagcat ttccccttgc cagatcagcc 60
agatttacaa gcaggggcca acaggaattc atgtgctcat cagtgatgag atgatacaga 120
actttcagga agaagcatgt tttattctgg acacaatgaa agcagaaacc aatgatagct 180
atcatatcat actgaagtag gagtgcggcg tttcgtgccc agtggctgct ccttccttca 240
cctctgaaaa cggccctctt gaaggggggat atgaatggag atttgaaggt ctgcaagaac 300
ctgactcgtc tgactgtgtg tggaggagtc caggccatgg aggcagaatc ctggccctct 360
gtgttggccc aagctcttgt ggtacacaca gattactgcc caatatgcag ttctgcagac 420
ctcggcccgc gaccacgc                                           438

<210> 234
<211> 312
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 192, 199, 214, 218, 219, 243, 249, 257, 258, 270
<223> n = A,T,C or G

<400> 234
cgagacagtt actcaagcag ccgaagtgat ctctactcaa gtggtcgtga tcgggttggc 60
agacaagaaa gagggcttcc cccttctatg gaaaggggggt accctcctcc acgtgattcc 120
```

```
tacagcagtt caagccgcgg agcaccaaga ggtggtggcc gtggaggaag ccgatctgat 180
agaggggggag gnagaagcng atactaaaaa caancaannc tttggaccaa aatcccaggt 240
tcncagaanc aaaaaannga ctggagaacn attctatcat aactccccaa ggactactca 300
aaggaaaaaa tt                                                      312


<210> 235
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 404, 407, 416, 451, 472, 481, 489, 492, 494, 502, 509, 535,
538, 540, 551, 560, 564
<223> n = A,T,C or G


<400> 235
ccttggtcct agcacccact cgagaattgg ctcagcagat acagaaggtg gtcatggcac 60
taggagacta catggcgcc tcctgtcacg cctgtatcgg gggcaccaac gtgcgtgctg 120
aggtgcagaa actgcagatg gaagctcccc acatcatcgt gggtacccct ggccgtgtgt 180
ttgatatgct taaccggaga tacctgtccc ccaaatacat caagatgttt gtactggatg 240
aagctgacga aatgttaagc cgtggattca aggaccagat ctatgacata ttccaaaagc 300
tcaacagcaa cacccaggta gttttgcttg tcagccacaa tgccttcttg atgtgcttga 360
ggtgaccaag aagttcatga gggaccccat tcgggattct tgtnaanaag gaaganttga 420
cccttggagg gtatccgccc agttctacat naacctggaa ccaagaagag tnggaagctg 480
nacacactna tngngacttg gnatgaaanc cctggaccat tgaccccagg aaggnaantn 540
ttgcattcaa naaccccggn aagnaaggt                                    569


<210> 236
<211> 287
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 268, 272, 276
<223> n = A,T,C or G


<400> 236
ctgaatggtg ctgacggtgg agctcacaga gctcctgcat tctcaaggtt tggatacatt 60
ctgggaaggg tgaactggtg taagagtcac ataatacgtg gagggggtgta ataatcaaaa 120
aaacatagca aaacaccttc tgtgcctgag ccagggttga gggagccgag aagaaagtcc 180
acagctctgc cacacgggcc agcagtgctc atgtctgctg gctgatcctc cccaaagcct 240
ctcctgccac ctttttttttt ttttttttnaa cnaaanaaaa gggaaaa             287


<210> 237
<211> 631
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 484, 493, 530, 542, 552, 557, 566, 575, 583, 593, 594, 602,
614, 616
```

<223> n = A,T,C or G

<400> 237
```
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcacccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca cccccaatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gccctgaatt 480
gcancattct gtncataaac aaacaaaaag cttggtgtta ggatttattn gtcaaaaggc 540
angaatttct tnaggcnggc taaggnaagg gaggnggggg ggntcgtttt ttnnggcatt 600
tnttcacggg cccngnccga tagggggtggg c                              631
```

<210> 238
<211> 426
<212> DNA
<213> Homo sapiens

<400> 238
```
ctcacgttga tgtcaagact accgatggtt acttgcttcg tctgttctgt gttggtttta 60
ctaaaaaacg caacaatcag atacggaaga cctcttatgc tcagcaccaa caggtccgcc 120
aaatccggaa gaagatgatg gaaatcatga cccgagaggt gcagacaaat gacttgaaag 180
aagtggtcaa taaattgatt ccagacagca ttggaaaaga catagaaaag gcttgccaat 240
ctatttatcc tctccatgat gtcttcgtta gaaaagtaaa aatgctgaag aagcccaagt 300
ttgaattggg aaagctcatg gagcttcatg gtgaaggcag tagttctgga aaagccactg 360
gggacgagac aggtgctaaa gttgaacgag ctgatggata tgaaccacca gtccaagaat 420
ctgttt                                                          426
```

<210> 239
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 439
<223> n = A,T,C or G

<400> 239
```
ctgttgggcc aactacacag accttactcc ccttagaaca ggaaaaaatt ataagattga 60
atttatactg gataatgttg ttggggtaga atccagaact ttcagcctgc tggcagagtc 120
tgtctctagc agtggcagca gcagcagcag caacagcaaa gcatcaactg tgggtacata 180
tgcccagata atgactgtag taattagctg tctggttgga agaatgtggc tcttggaaat 240
atttatggct gcagtttcaa cttttgaatat aactttaaga agctactaaa gtgctgttcc 300
gaagaatagg ctgaaacaaa aatataagaa ttattagcta ctttgttggg caataggcaa 360
aagtctatag cattttcatg aaaatatact aaaaatattt ttatgatata taaaatgtac 420
taattagctt tacctcggnc cgcgaccacg c                              451
```

<210> 240
<211> 341
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 326, 335
<223> n = A,T,C or G

<400> 240
cttcaagcta ggttttgcag ttcccaacca caacattctt ctattttgcc aggctggtgc 60
aaagtaatta aagatgtcaa tcagaaatgt caatgagact aaagtggttt tgtaaatctc 120
agctatattt agcaacactc catgtagcta atatttttg gtagcatctg gtagacctta 180
gaatgttaca tagccagtag gttctttatt caaattttaa gtatcttaag aatagtaggg 240
cagtaacagt tactttgag agttttctgg tcaagctttt accaggcatt ctctagcctt 300
ggtacaaaaa aaaaaacctg ctggtngcgc aaatncctag g                    341


<210> 241
<211> 430
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 238, 328, 365, 374, 378, 382, 386, 388, 395, 400, 427
<223> n = A,T,C or G

<400> 241
ctcaaatgta taaaccatta agtagtcaaa tggctacagt gaaaaacagt attttatagt 60
aggtatagat aattggcaca gataagctca gaaaagaatg atcagttctt gctggagtaa 120
ttctagggaa atggctttca tggagaaaag gaaaagagga agtgtagtat cagtctatgt 180
tgtctattgc taatgtggaa tggtgttttc tgcttctacg ccttactgat tccagttntt 240
atatttagaa aacaaattaa gtgaagcttc tggaggtagg gctgaaaatg gtgaaagaag 300
tgacttggaa gaggacaacg agagggangg aacggaaaat ggagccattg atgctgtgtc 360
ctgtnatgaa aatntttnca cnggananggg atttnggatn gctacgaaga acggaattcg 420
gattccnctt                                                       430


<210> 242
<211> 239
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 92, 93, 147, 150, 162, 165, 187, 191, 196, 205, 207, 210,
227, 232
<223> n = A,T,C or G

<400> 242
gtcgcagtag ttccagtagc agctccagta caagtggcag cagcagcaga gatagtagca 60
gtagcactag tagtagtagt gagagtagaa gnnggagtag gggccgggga cataatagag 120
atagaaagca cagaaggagc gtggatnggn agagaaggga tnctncagga atggaaagat 180
gttcatnata naaatngtgg tgtananaan atcaaaaaaa ctggggnttt gnattaacg 239


<210> 243
<211> 282
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 241, 267, 274
<223> n = A,T,C or G

<400> 243
aaatgactgt gctgcccctt tcacatcaaa gaactactga caacgaaggc cgcgcctgcc 60
tttcccatct gtctatctat ctggctggca gggaaggaaa gaacttgcat gttggtgaag 120
gaagaagtgg ggtggaagaa gtggggtggg acgacagtga aatctagagt aaaaccaagc 180
tggcccaagg tgtcctgcag gctgtaatgc agtttaatca gagtgccatt ttttttttgt 240
ncaaatgatt ttaattattg gaatgcncaa ttgntttaat at 282

<210> 244
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 593, 606, 608, 677, 682, 697, 701, 703, 710
<223> n = A,T,C or G

<400> 244
aaaggtccaa aagcctgcca acccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgta ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat accccctgaaa aagtgatgcc tcaaggtctt gtcatctctt ttgctatgag 240
aatgctttac atgattgagc aagtgcatga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg ggttgctgca acagtatatt gcatgctctt 540
tggcacttac atgaaagtga aaaatgaagg aaggagaagt gtaaaccttg aangtctttt 600
tagaangntt tcctcatttg ggatattgtg ggaatgaatt tttttcatgt tattgttgaa 660
tattccaaaa tggcatnttc tncctctttg gaattgntaa ngnaaaaacn cg 712

<210> 245
<211> 689
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 481, 489, 505, 533, 535, 538, 585, 589, 591, 595, 626, 647,
655, 661, 662, 683
<223> n = A,T,C or G

<400> 245
catttttaag gcttatctaa ttaactgtgt ttggaactgc tataaataca tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctcctcagt acgttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaagaaat tctgcctttg acaataaatc ctataccagc tttttgtttg tttatgttac 240

```
agaatgctgc aattcagggc tcttcaaact tgtttgatat aaaatatgtt gtcttttgtt 300
taagcattta ttttcaaaca ctaaggagct ttttgacatc tgttaaacgt ctttttgttt 360
ttttgttaag tcttttacat tttaatagtt tttgaagaca atctaggtta agcaagagca 420
aagtgccatt gtttgccttt aattggggggg tgggaaggga aagagggtac ttgcccatag 480
ntgcctttnt aactgcactt tctgnatata atcgtttgca ttttggtact tgntnccntg 540
agtactttca ggaagactga cttaaatatt tcggggtgga gtaangagnt ngggnattaa 600
gaacttgaaa cttttcatt tgccanaagg caaaaaaaaa aaatttngac cattnggggg 660
nnttggacct gtgggaaaaa aanaatggg 689
```

<210> 246
<211> 701
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 496, 526, 539, 573, 584, 647, 688, 701
<223> n = A,T,C or G

<400> 246
```
ctgaaagaag cccaagtaca gtatcctctc cagacatttg caattggcat ggaagacagc 60
cccgatttac tggctgctag aaaggtggca gatcatattg gaagtgaaca ttatgaagtc 120
ctttttaact ctgaggaagg cattcaggct ctggatgaag tcatattttc cttggaaact 180
tatgacatta caacagttcg tgcttcagta ggtatgtatt taatttccaa gtatattcgg 240
aagaacacag atagcgtggt gatcttctct ggagaaggat cagatgaact tacgcagggt 300
tacatatatt ttcacaaggc tccttctcct gaaaaagccg aggaggagag tgagaggctt 360
ctgagggaac tctatttgtt tgatgttctc cgcgcagatc gaactactgc tgcccatggt 420
cttgaactga gagtcccatt tctagatcat cgattttctt cctattactt gtctctgcca 480
ccagaaatga gaattncaaa gaatgggatg gaaaacatct tctganagag acgtttgang 540
attccaatct gatcccaaag agattctctg ggnaccaaaa gaanccttca gtgatggaat 600
aacttcagtt aagaattcct gggttaagat tttacaggaa tacgttnaac atcaggttga 660
tgatgcaatg atggcaaatg cagcccanaa atttcccttc n 701
```

<210> 247
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 90, 498, 503, 509, 513, 522, 525, 542, 544, 557, 560, 568
<223> n = A,T,C or G

<400> 247
```
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacan ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gagccagttc ctttctgttc cccaccattt gtcacccgga 480
cctctttttt ttctttcnag aangctgant ctncattgat gngantgaag ccctcccagg 540
gntnctctgg ggccttnacn ataactgngc gtcccctt 577
```

<210> 248
<211> 167
<212> DNA
<213> Homo sapiens

<400> 248
aaagtaagtc gtttcctttt atttgaacac ctaggggcca ttttagagtt ataattagcc 60
caatttctat atcattttgt ctcagggaat agaagcgtga gggagggaga gagttggggg 120
aatggctggt tggtagagtg gtcagaatac acacaacatt tataaat 167

<210> 249
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 280, 293, 326
<223> n = A,T,C or G

<400> 249
gtctactgcg agaatgaaga ctattctcag caatcagact gtcgacattc cagaaaatgt 60
cgacattact ctgaagggac gcacagttat cgtgaagggc cccagaggaa ccctgcggag 120
ggacttcaat cacatcaatg tagaactcag ccttcttgga aagaaaaaaa agaggctccg 180
ggttgacaaa tggtggggta acagaaagga actggctacc gttcggacta tttgtagtca 240
tgtacagaac atgatcaagg gtgttacact gggcttccgn tacaagatga ggnctgtgta 300
tgctcacttc cccatcaacg ttggtntcca gga 333

<210> 250
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 314, 317, 320, 333, 348, 353
<223> n = A,T,C or G

<400> 250
ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
agatatgacc tagtttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180
ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240
agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300
gacctccccc ctgnctntcn accttggggg aantgagaag acaaggantg ggncttgttc 360
cttg 364

<210> 251
<211> 248
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 87, 93, 99, 160, 169, 176, 182, 188, 190, 196, 214, 219, 226, 229, 231
<223> n = A,T,C or G

<400> 251
gccagcgcga aggaagtgct ggagtcgtgt gttttggctg cgcgtgatcc tgcgtgggtc 60
gggaggtgtt tctgtgaaaa gcctaangat tanactgtna gaaaagaaaa tagaagccat 120
gtttcgaaga cctgtattac aggtacttcg tcagtttgtn agacatgant ccgaancaac 180
tnccagtntn gtcttngaaa gatccctgaa tcgngtgcnc ttcttntgnc nagtgggtca 240
ggaccctg 248

<210> 252
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 354, 360, 363, 366, 373, 395, 400, 403, 410, 415, 417, 425, 432, 440, 444, 448, 464, 469, 472, 495, 513, 518, 534
<223> n = A,T,C or G

<400> 252
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgcctt taagcattat ctcctttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtcccttc caatcctgtg 300
attctctgat tccctgagct cggttattat tggacatgcc tagnccatta ccangacctn 360
ccngcntatg gtngtttccc tgggataacg gaganctatn ccncatgccn ttggngnctc 420
catcntatca angaagttgn tttntgantt ttttccatct aaanccctcnt angtttggtt 480
tgagaaaaag atggngaagt ccttttcatg aanttcgnag ggcaaaaaaa attnttt 538

<210> 253
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 279, 280, 299, 309, 313, 321
<223> n = A,T,C or G

<400> 253
cctgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccaatg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc nacccattca ga 332

<210> 254
<211> 343

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 299, 334, 335, 339
<223> n = A,T,C or G

<400> 254
ctgcaggcag tcccggctga gtttgaatgc atccaccctg agaagcagca gaaaaagaaa 60
agctacaaga actctggaac tatccgtgtc aagatttgtc gggtagaaac agagtactcc 120
tttctggact atgtgatggg aggctgtcag atcaacttca ctgtgggcgt ggacttcact 180
ggctccaatg gagacccctc ctcacctgac tccctacact acctgagtcc aacagggggtc 240
aatgagtacc tgatggcact gtggagtgtg ggcagcgtgg ttcaggacta tgacttcana 300
caagctgttc cctgcatttt ggatttgggg gccnnggtnc ccc                      343

<210> 255
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 190, 338, 359, 374, 383, 390, 398
<223> n = A,T,C or G

<400> 255
aaaactgcaa gcaccatgcg gttcatacaa tcttgttatt actgttaatt tatcaactaa 60
tacaaactca aaaatgcatc cggccagcag cgccagcaat ttcaaatggg aacttaaaaa 120
tacactttta ttttggtatt tttgtcagtg caacttaaat ccttttactg acctgcagaa 180
aaaaaaagtn ataataaaga aaaacaccca tatcttccct ataactacta tacaactgaa 240
gaattgaagg ggggggacac caccaagaac tcttcctact atctcaaaag cagggaaaga 300
aacgcaatgc attggtttaa agaaccccct tggaaaantt gcaaatact tggccatgng 360
tggggttttg ggtncattct tgnacctagn aagttagngt taag                     404

<210> 256
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 311, 331, 335
<223> n = A,T,C or G

<400> 256
ccagtggtcg gagcggcagg gttccacaaa cttctccacg aggtccacaa acaggtctct 60
gacatcttta ttgtgggtca gcttggcggc cacgttcacc agcccccggg acaggttctt 120
gaagttggct tccatctcag agaagacgcc cagctttccc cggagagcag tgcacaccag 180
gctcttgtgc aggtccagaa ggtccttgtc agccactagc accttgagct ccttcaagtc 240
ctggagaaat tccttgtcta agtccatgtc catgtcatcc atctgtgagt cgacggctcc 300
aaaggtccan ntttggatca tgagctcaac ngcanaaag                           339

<210> 257

```
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 345, 352, 355, 359, 364, 399, 415, 430, 435, 457, 478, 487,
497, 507, 523, 533, 548
<223> n = A,T,C or G

<400> 257
aagagagaag attattttgg aatcacaaat cttgttgaac atccagccca gctcaatcct 60
ccagttgaca atgacacacc agttactctg ggagtatatc ttaccaagaa ggaacagaaa 120
aaacttcgga gacaaacaag gagggaagca cagaaggaac tacaagaaaa agtcaggctg 180
ggcctgatgc ctcctccaga acccaaagtg agaatttcta atttgatgcg agtattagga 240
acagaagctg ttcaagaccc cacgaaggta gaagcccacg tcagagctca gatggcaaaa 300
agacagaaag cgcatgaaga agccaaccgc ctgcccgaaa actcncagcc gnacnagang 360
aaanggccaa gaaaatttaa aaaggtttaa agaaaaacnt ttccccaggg gggtncccat 420
ttcttgtttn ttaanagttc cgaaattttg aagcaanccc agcccaaaaa gttcaaanaa 480
ttggaanccc attgctnggg caacttntcc ctgacaaggg ggnggggggt acntgcccca 540
gggatgtnca ccg                                                    553

<210> 258
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 355, 358, 360, 366, 373, 376, 387, 389, 400, 404, 407
<223> n = A,T,C or G

<400> 258
aaaaaatgca ctgagtttgg gttaaaaacc aaccaccaaa atggatttca acacagctct 60
aaagccaagg gcgtggccgg ctctcccaac acagcgactc ctggaggcca ggtgcccatg 120
ggcctacatc ccctctcagc actgaacagt gagttgattt ttcttttac aataaaaaaa 180
gctgagtaat attgcatagg agtaccagaa actgcctcat tggaaacaaa aactatttac 240
attaaataaa aagcctggcc gcaggctgcg tctgccacat ttacagcacg gtgcgatgca 300
caccgtgacc aaaccacgga agcagcttct ggcacttaca cccacgaact gcccnggncn 360
ggccgntcaa aangcnaaat ttccacncnc tggccgggcn gttnttngtg ggatccaacc 420
tcggtcccaa gcttgggcgt aatta                                       445

<210> 259
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 306, 310, 318, 330, 333, 343
<223> n = A,T,C or G

<400> 259
aaacccgccg gactttctgt aagaagtgtg gcaagcacca accccataaa gtgacacagt 60
```

```
acaagaaggg caaggattct ctgtacgccc agggaaagcg gcgttatgac aggaagcaga 120
gtggctatgg tgggcaaact aagccgattt tccggaaaaa ggctaaaact acaaagaaga 180
ttgtgctaag gcttgagtgc gttgagccca actgcagatc taagagaatg ctggctatta 240
aaagatgcaa gcattttgaa ctgggaggag ataagaagag aaagggccaa gtgatccagt 300
tctaantgtn atcttttntt attgaagacn atnaaatctt ganttttt          348
```

\<210\> 260
\<211\> 379
\<212\> DNA
\<213\> Homo sapiens

\<220\>
\<221\> misc_feature
\<222\> 335, 337, 346, 372, 375
\<223\> n = A,T,C or G

\<400\> 260
```
ctgcaagcca ttcgaataat tcaagagaga aatggtgtat tacctgactg cttaaccgat 60
ggctctgatg tggtcagtga ccttgaacac gaagagatga aaatcctgag ggaagttctt 120
agaaaatcaa aagaggaata tgaccaggaa gaagaaagga agaggaaaaa acagttatca 180
gaggctaaaa cagaagagcc cacagtgcat tccagtgaag ctgcaataat gaataattcc 240
caaggggatg gtgaacattt tgcacaccca ccctcagaag ttaaaatgca ttttgctaat 300
cagtcaatag aacctttggg aaagaaaatg gaaangnctg aaactnctcc cttccccaaa 360
aaggacctcg gncgngacc                                          379
```

\<210\> 261
\<211\> 334
\<212\> DNA
\<213\> Homo sapiens

\<220\>
\<221\> misc_feature
\<222\> 265, 297, 305, 311
\<223\> n = A,T,C or G

\<400\> 261
```
ccttgagagc ccagcccttg catcagtgta gcctggacgt gagacatgga gtcaaaagag 60
attattttgg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120
ctgtagcctc tttgttttgc ctgatttctc tcttttggaa tgggagtgtt tagccaatgc 180
ctgtgcccct attgtatctt ggaagtaact aacttgtttt tttattttat agactcatgg 240
gcagaaggga cttgccttgt ctcanatgag actttggact gtgggacttt tgagttnaca 300
ctganatgag ntaaaatttt tggggacttg ttga                          334
```

\<210\> 262
\<211\> 376
\<212\> DNA
\<213\> Homo sapiens

\<220\>
\<221\> misc_feature
\<222\> 104, 186, 194, 219, 224, 231, 239, 260, 267, 275, 296, 303,
312, 323, 326, 330, 336, 344, 349, 353, 355, 363, 367
\<223\> n = A,T,C or G

<400> 262
cattttaag gcttatctaa ttaactgtgt ttggaactgc tataaataca tcaacaaccg 60
aaacgtgccg gagattgctg tgtaccctgc ctttgaagca cctnctcagt acgttttgcc 120
aacctatgaa atggccgtga aaatgcctga aaaagaacca ccacctcctt acttacctgc 180
ctgaanaaat gctncctttg acaataaatc ctataccanc tttntgtttg ngtatgctna 240
cagaatgctg caattcacgn gctcttnaaa cttgngtgat ataaaatttg gtagcntttc 300
gcntaagcat tncattttcg aancantaan gagggncttt gccntttgnt tancnagctt 360
tgntttnctc ttttgg 376

<210> 263
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 290, 313, 323, 327
<223> n = A,T,C or G

<400> 263
ctgctatttc caccaataga gagaccagga agaatccttt actgcagtct ccatcacgaa 60
atgagaacaa aacgtccatg ttctcataag tcaggggctt attaggatcc tttttcttcc 120
agtttgccaa gacacagtct gcataaacca aaataggagg cagttccagt ttcttggaga 180
gttggcagta aggaacagca atatttcttg gcaagacctt acggacatct ccattgacct 240
ttgccccaca catatgccat ggtgatgcat cccagaacta gacgtgcaan gccgctgtga 300
cttgtggtct tgngagatga tcnatgntgg agc 333

<210> 264
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 226, 269, 277, 319, 320, 343
<223> n = A,T,C or G

<400> 264
gaaagagtaa aacctttat gacaggggct gcagaacaaa tcaagcacat ccttgctaat 60
ttcaaaaact accagttctt tattggtgaa aacatgaatc cagatggcat ggttgctcta 120
ttggactacc gtgaggatgg tgtgaccca tatatgattt tctttaagga tggtttagaa 180
atggaaaaat gttaacaaat gtggcaatta ttttggatct atcacntgtc atcataactg 240
gcttctgctt gtcatccaca caacaccang acttaanaca aatgggactg atgtcatctt 300
gagctcttca tttatttnn ctgtgattta tttggaatgg gangccc 347

<210> 265
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 342, 346, 357, 365, 370, 380, 381, 386, 391, 399, 405
<223> n = A,T,C or G

<400> 265
tcttgttgaa atccgaaatt tcttgggtga aaaatatatc cgcagggttc ggatgagacc 60
aggtgttgct tgttcagtat ctcaagccca gaaagatgaa ttaatccttg aaggaaatga 120
cattgagctt gtttcaaatt cagcggcttt gattcagcaa gccacaacag ttaaaaacaa 180
ggatatcagg aaattttttgg atggtatcta tgtctctgaa aaaggaactg ttcagcaggc 240
tgatgaataa gatctaagag ttacctggct acagaaagaa gatgccagat gacacttaag 300
acctacttgt gatatttacc tcggcccgcg accacccctta anggcnaaat tccacancac 360
tggcnggccn tttccttggn nggatnccaa nctcgggtnc caagnctttg g         411

<210> 266
<211> 291
<212> DNA
<213> Homo sapiens

<400> 266
ctggtgctct gggtctaccc tacctgacat ccttccagtc ttatcctttg tttcctatcc 60
aggcccaggc ttgtggctga gaacatccac tttcagtccc atatacctgc ctccaagtgt 120
ggtacagaga acttgggcct gctgggggcg cttagcctta ctctctccac cacctctccc 180
accaacccccc agatgaactg caggtagacg tttcttcctt gcttggagcc ccagtttttg 240
catttcattt tcattaaaat agaaaggtgg tttggtttttg gttctaagga g         291

<210> 267
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 368, 404, 408, 434, 441, 495, 497, 500
<223> n = A,T,C or G

<400> 267
aaaagcaatt actgtactta tgtatcgaac ttatttgtgt agcaactaat tcatctgtga 60
agccatggtt tgctgtggct tcacagtaaa ttttgactta agtctaaagc gtgtgttagc 120
atctcaccgt aacttaatgc ttcgagtgag aagtttgagg aatgctgctt taggcaaaag 180
agccactgga ggaatgagct ctgctctttt cacctgctct ggactgctct cactttcctc 240
accgacagga ccacaggctt aagaactggc tcagcagtcc ttctttaggg tctagcgcct 300
gcctaccagc ttcctctact tctatcccgg gacagatgaa tgcttttctt aaaaatttt 360
ggaacatntg cttgattcct taccaaatgc cttaaaaaac tggnaagntc agctccgaca 420
tggacctcgg ccgnaacccc nctaaggcga attccaccct ggcggccgtt cctaggggac 480
caactcggtc ccacntngcn aatatggc                              508

<210> 268
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 187, 337, 344, 347, 353
<223> n = A,T,C or G

<400> 268

```
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtnctc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaaaggaaac tatgtggcaa gtaccctctt tcccttccca cccccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctaatt gtcttcnaaa actnttnaaa tgntaaaga 359
```

<210> 269
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 186, 190, 196, 201, 203, 209, 211
<223> n = A,T,C or G

<400> 269
```
ccagcttcga gaaagagttg agaagttaaa catgctcagc attgatcatc tcacagacca 60
caagtcacag cgccttgcac gtctagttct gggatgcatc accatggcat atgtgtgggg 120
caaaggtcat ggagatgtcc gtaaggtctt gccaagaaat attgctgttc cttactgcca 180
actctncaan aaactngaac ngnctcctnt ntttgtttat 220
```

<210> 270
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 336, 364, 388, 390, 417, 419
<223> n = A,T,C or G

<400> 270
```
ggcaggtctg caagccattc gaataattca agagagaaat ggtgtattac ctgactgctt 60
aaccgatggc tctgatgtgg tcagtgacct tgaacacgaa gagatgaaaa tcctgaggga 120
agttcttaga aaatcaaaag aggagtatga ccaggaagaa gaaaggaaga ggaaaaaaca 180
gttatcagag gctaaaacag aagagcccac agtgcattcc agtgaagctg caataatgaa 240
taattcccaa ggggatggtg aacattttgc acacccaccc tcagaagtta aaatgcattt 300
tgctaatcag tcaatagaac ctttgggaag aaaagntgga aagggctgga aacttcctcc 360
cttnccccca aaaaaggacc ttgggccncn aaccccccta aagggccaaa ttcccancnc 420
acttggcggg c 431
```

<210> 271
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 311, 315, 335
<223> n = A,T,C or G

<400> 271

```
ccaaaggaat ctgcagcaac ttcttaaaat actgttaaca tctttgggtt tgctgaggct 60
tgtcagtaac ttacatcaaa tcctcccaaa agaagatctg attagataga tatgactaaa 120
cggttttgta gtaataatcc aattttacac attaatttgc tgttgcaaat ctgcccaaag 180
ctacaggtaa tgaaaaataa agcaagtgta aaatggatag tctgacactt aaaaatttat 240
acaaagtgga agttaaagtt tacatatttg aaaatcacat atacactaaa ttaccattat 300
ctgaattttt ncaanacaaa ttgcaccatg accanctaca aaa                  343
```

```
<210> 272
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 223, 318, 325, 332, 333
<223> n = A,T,C or G

<400> 272
aaattttgta gccattctta tgatgctctt gatttgttgg ttacacaaat caattttatt 60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagttgcta caaaggtaaa taatggagag atttggtaca aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa atnacctgag gagtgtaatg 240
tttattttt tgtgtatatc tttgcaatct attttatata tattgacaaa agagactgtg 300
aaatacttag ccatgcanaa tttgngacca gnnccagagc                     340
```

```
<210> 273
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 300, 340, 374, 384, 386, 397, 423, 425, 432, 438, 442, 446,
453, 486, 488, 489, 501, 503, 518, 525, 539, 555, 559, 566,
575, 594, 596, 604, 608, 614, 617, 618
<223> n = A,T,C or G

<400> 273
aaagcttccc cagcaacgtc agcaagagtt gcaaatcact gctcaacaga acctcttacg 60
aagcaaaaac ataaagaaaa ataagccggg cagagtggct cacgcctgta atcccagcac 120
tttggaaggc agaggcgggc ggatcacctg aggttaggag ttcaagacca gcctgggcaa 180
catggtgaaa ccccatctct actaaaaata caaaaattag ccgggtatgg tggcaagtgc 240
ctgtaatatc agctcatggg aggctgaagc acgagaatca cttgaatcag ggaggcagan 300
gttgcaacga accaagatcg tgccactgtc tctagcctan gtgacggagt gagcctccgt 360
ttcaaaaaaa aaanggaaaa cccncnaatt ttggggnctt ggggaatagt taaaaattaa 420
aangnccct cnttgggntt cntacntttt ttnccttttg aaccttttga aaccttccca 480
aaaatnanna gtggtttaat ntnttgtccc attctttntt taacngttta agaaaaaanc 540
cttaaattga agggncttng gccggnaaac ccccnttaag ggcgaaattc ccancnccct 600
tggngggncg gttnctnntg ggttccc                                   627
```

```
<210> 274
<211> 169
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 151, 158, 160, 162
<223> n = A,T,C or G

<400> 274
aaatgactgt gctgcccctt tcacatcaaa gaactactga caacgaaggc cgcgcctgcc 60
tttcccatct gtctatctat ctggctggca gggaaggaaa gaacttgcat gttggtgaag 120
gaagaagtgg ggtggaagaa gtggggtggg ncgtctgngn tntcttgag           169

<210> 275
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 206, 287, 325, 350, 363, 366, 383, 406, 412, 415, 419
<223> n = A,T,C or G

<400> 275
aatgtgggct ccaagcagat gcagcagatc cgcatgtccc ttcgcgggaa ggttgtggtg 60
ctgatgggca agaacaccat gatgcgcaag gccatccgag ggcacctgga aaacaaccca 120
gctctggaga aactgctgcc tcatatccgg gggaatgtgg gctttgtgtt caccaaggag 180
gacctcactg agatcaggga catgtngctg gccaaggact tcgagaaagc atacaagact 240
gtcatcaaga aggacgagca ggagcatgag ttttacaagt aaccctnccc ttccctccac 300
ccacaccact tcaggggggct tgggnttttt ttcgcacccc cagcaccctn tatcccaaaa 360
ccncanttcc cttttttttt ttnccccaag gattgggggtt cttcantaat tngantaana 420
accgaaatcc                                                      430

<210> 276
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 236
<223> n = A,T,C or G

<400> 276
ggcatcacga accatcctgc ttcaagggag cctgcgggtc tgactgcagc ttcagctatg 60
acctggagtt cccgggcttc tctgcggggc accagtctgt atgctccatt ttagataata 120
aaaattggca tattctgggg tgggcaggat acggggttca cctgcagatg aacagggcag 180
gaaaagcttg atggggtgtc gggggaatct ggttggcctt aaagggaatt tggggncctg 240
ttcctgaatt tggtaggcaa gcatgcatgt aaggcttgaa gtgggtttgg           290

<210> 277
<211> 542
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> 373, 378, 397, 401, 403, 421, 436, 444, 450, 466, 475, 485,
490, 491, 501, 511, 517, 525, 528, 538
<223> n = A,T,C or G

<400> 277
ccaacaaacg tatggtggag tatgaagagg cccaggcata tgcagatgac aacagcttat 60
tgttcatgga gacttcagcc aagacagcta tgaacgtgaa tgatctcttc ctggcaatag 120
ctaagaagtt gccaaagagt gaaccccaga atctgggagg tgcagcaggc cgaagccggg 180
gtgtggatct ccatgaacag tcccagcaga acaagagcca gtgttgtagc aactgagggg 240
gtggctagca gcaaacaagt atggagctag cacaagagct aagaaataac ctccatccct 300
acccctcagc acacagcccc tacggtaacc agcacactga gccctggctt ccaaaggctt 360
gccttcctga cancttcntc atggcacttt tttaacnctt nancaaccaa acaccaaggc 420
nagacctcgg gcccgnaacc cccncttaan ggcgaaattc ccagcncact tgggnggccc 480
gtttncttan ngggatccc naacttcggt ncccaanctt tgggngtnaa tcattggnca 540
ta                                                                542

<210> 278
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 319, 344, 347, 356, 365, 369, 372
<223> n = A,T,C or G

<400> 278
aaaacagaca tttaacatac acaagttata gtagcagtat gggcttctcc tcccattggc 60
aattaaatgc ttttattttc ttctgaaaag atgatgtgga ccaacaggta tcagacttgc 120
caacaaggtc ggtagactct tcccagcata catctgagca tgtcaaaatc tctccttcct 180
ataggaaatt tagctgagtt ttcttcatcc ccaatttctc tcttttcttg tgttgattta 240
gtattctgaa ctccattctc agctgggaaa gctacagatc cttttagtgc aagataaggt 300
tttatagcca gattcagtng cagaccatga tttaagaaat ctgnttngga ccctgngtct 360
tttgnaacnt tntttgtcct cttcgtgctt gaaa                              394

<210> 279
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 348, 360, 375, 386, 389, 413, 416, 427, 449, 467, 472, 476
<223> n = A,T,C or G

<400> 279
aaagaacctg ttcattttcc ttttttgtta aaagtgctct aagaactaaa agggccgttc 60
cttactggaa taaaattaac tacacatgcc atacatttct gggtcaatgt tgctggttaa 120
attccctcag aattagcaat tcatagaaaa ttaattgtta agttatcgca ctttcatgcc 180
aaaagtacaa tttagagttc acaatacaag gctctgtggt ataaagtgcc tatgagcagc 240
ttcccatcat acactgaggc tacagaactt ccttggagaa cagacccatt gttggcataa 300
actgtagtca ctgtaggctt ctcagataga atgttctgga tgccgganaa cctctgaccn 360
aaggaagatt gttcnggtca tacacnaana cttttttggac ctgcccggcc ggncgntcaa 420

```
aagggcnaat tccacacatt gcggccgtnc tatggatcca actcggncca anttgncgta 480
actggcatac tgt                                                   493


<210> 280
<211> 270
<212> DNA
<213> Homo sapiens


<400> 280
aaaacaaaat tagtggtaaa atagaaaaag gaaatgttta gtacagaaag taccagccac 60
agtaccctca taactccatc tccttcccca ggcatcactc tttccagcca cttcaatcct 120
aaagcagtga gaccctcatt ttaacacaca gagcctccct gcctaccctc cttccctgta 180
acgtgagcta ctgtagtcca tttattagtt cttcggttaa gcttcagtag acatttggag 240
cacaattcca aaggtaaatc aatctatagg                                 270


<210> 281
<211> 150
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 7, 10, 25, 30, 38, 50, 51, 67, 81, 85, 111, 131, 136, 140
<223> n = A,T,C or G


<400> 281
ggcaggngtn aggtcttcct ctttnctgan actggatntg ttcaaacagn naacgcccac 60
agatggncca aaggtggtgg nagtnagggt gtgtgggtgt ttttaaggtt ntctgtgata 120
ggacccatcc nttcangggn gggggggtgtc                                150


<210> 282
<211> 300
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 247, 295
<223> n = A,T,C or G


<400> 282
ctgtgagcaa aaggagaagt atcagcttct caagggccta gggtttgttg gaagggcaag 60
gcaagggcaa aggggatac agaacaaggg ggcaagtacc agtgcctggg atggacccat 120
ccattcaggc aggggtgtg gggtgtcccc tgtgcttaga aaccacctag catcatagct 180
gcaacagcac tttattggga tctgagtcta cagttcacat agggaggtga agccgtggga 240
gaagcanggg taaaaaaaaa aggggggggg acttcacccc ctagggacag acctnggccg 300


<210> 283
<211> 545
<212> DNA
<213> Homo sapiens


<220>
```

<221> misc_feature
<222> 470, 526
<223> n = A,T,C or G

<400> 283
aaacttcagc tcagtttctt aaccaagaac cacgtcaacc ctccagggtt gtggtttgta 60
tttttgcctt taagcattat ctcctttcca ccaagaagcc tacttaggtt taacacatga 120
aagcagtgtc taaaaattag atcggtccta aattggaatg ggatgtcttc cttgcatgtc 180
ccataccagg gaattttttt aacacacagt gtagagcctt tgccagagat gttgaaaggg 240
agattaaagg cttgagggat gaatttgatc atcattctta aagtcccttc caatcctgtg 300
attctctgat tccctgagtc tcgtttatta ttggacatgc ctagcccatc accagtgacc 360
tgcccgcata ttgctggctt cccttggata acggagagcc tatcaccaca tgcctttgtt 420
gtcttccatc atatcaagtg agttgctttc tggacttttt ccatctaaan cctgctaggt 480
ttggttttga gaaaagatgg agaagtttct tttcatgagt ttgtanggca aaaaaaatac 540
ttttt 545

<210> 284
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 488, 583, 591, 592, 598, 605, 618, 621, 623, 628, 633, 634,
648, 661, 662, 670, 672, 674
<223> n = A,T,C or G

<400> 284
cctcaccaag tcttggctgt ttctagctag ctctataaac tttttcagc ctctgttcat 60
tacccagttc caaagctgct tctacatttt cagatatttg ttatcagcaa aaaccccacc 120
tcttggtacc aattttcagc cttactctgt tttctgatgc atatagcaga atacttgaaa 180
ctgtataata tataggaatc aaaatgtatt tcctacagtt acaaaggctg ggaagtccaa 240
ggtggagagg gcacatctgg caaaagtctt cttgctagtg gggactctcc actttggcag 300
aggtggcaca gggaatcaga tggtgagggg gaagaacatg ctagctcagg tctgtttttc 360
tcttcttata aagccaccag ttcctctccg atgataatcc attaattcat taacccatta 420
atcatggaag ctcttaattt cctcttaaag gccctacctc tcaaaactgt catattgggg 480
gattaagntt caacatgagt tttggagggg ctgaacattc aaactatagc ataacacaca 540
tgctcaccct tgaagatgga agactacaag cctctaaagc agnttcaact nncttccnga 600
tctgntgaaa aacaagcnga nanaatgntt ttnngagagg gaatcccncc cctccttgga 660
nnggaccttn gnangcttaa aag 683

<210> 285
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 452, 604, 605, 626, 642, 661, 681
<223> n = A,T,C or G

<400> 285
cgagcacgag ctgtgagggg attcacttgt gtgcggaact cctcggaacc atggcgtccc 60
tttcccttgc acctgttaac atctttaagg caggagctga tgaagagaga gcagagacag 120

```
ctcgtctgac ttcttttatt ggtgccatcg ccattggaga cttggtaaag agcaccttgg 180
gacccaaagg catggacaaa attcttctaa gcagtggacg agatgcctct cttatggtaa 240
ccaatgatgg tgccactatt ctaaaaaaca ttggtgttga caatccagca gctaaagttt 300
tagttgatat gtcaagggtt caagatgatg aagttggtga tggcactacc tctgttaccg 360
ttttagcagc agaattatta agggaagcag aatctttaat tgcaaaaaag attcatccac 420
agaccatcat agcgggttgg agagaagcca cnaaggctgc aagagaggcg ctgttgagtt 480
ctgcagttga tcatggttcc cgatgaaagt taaattccgt caagattaat gaatattgcg 540
ggcacaacat tatcctcaaa acttcttact catcacaaag accactttac aaagttagct 600
gttnnaacag tctcagactg aaaggntctg caacctggag cnattcattt atcaaaaact 660
nggaggaagt ttgcaatcct ntt 683
```

```
<210> 286
<211> 415
<212> DNA
<213> Homo sapiens
```

```
<400> 286
aaaatccctc aaaaactgtt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
taggatttct ggtagcgagc gcgggcacca gggcctccaa acttttttgga ctcgcagcga 120
cgagggtcag ctaccagcag ggtccggtca tactggatga ggatgtcttt gatctccttc 180
ttggaagcct catccacata tttctggtaa taggccacca gggctttgga gatggactga 240
cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gatgtctaca 300
ccagcaaatc gctccttgcc gagaagcaga actggctcca gcagcttgta ctgtagcgtg 360
cgcggctcaa tcatctccag gggccgcccg ttcaccttga tgagaccatt gccgc 415
```

```
<210> 287
<211> 479
<212> DNA
<213> Homo sapiens
```

```
<400> 287
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga ataccatac tgtgaatgg 479
```

```
<210> 288
<211> 538
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 1, 130, 352, 379, 402, 443, 477, 501, 510, 530
<223> n = A,T,C or G
```

```
<400> 288
nccattgatt taggccactg gcttagagta ctccttcccc tgcatgacac tgattacaaa 60
tactttccta ttcatacttt ccaattatga gatggactgt gggtactggg agtgatcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180
```

```
aaggcaaata gagtcataca gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt acactgcacc attcccaagt taatcccctg aaaacttact 300
ctcaactgga gcaaatgaac tttggtccca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttcctttcca attgaattaa antgtggcct cgttttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat ccccaacctc nggatacccn aggccttggg ccgctaaatn caattggg   538
```

```
<210> 289
<211> 475
<212> DNA
<213> Homo sapiens
```

```
<400> 289
ccactccctg accccatccc acctccccag cagttcccga gggcagggct gaccgcagag 60
ctatcctcta gtctccagac cacattatcg cttttcttct gttttctcca attgctgggt 120
gtttgtgttg ctcctcccac acacccccca gaaggacccc cgaaggatta tttggatgaa 180
cagtactcat aaacaggaag cactggctac agttattctg aaaaatccca aacgcaaaag 240
ggaggcaaag ctgtctccac cctgcaggat gacaaaggca atggccgcag agtggcttcg 300
gaccccacat gggaaccaga tcagatctct ctgggcttct gttttcctta ctgtaaaggc 360
tggagtgcag tggcacgatc tcggctcact gcaatctctc aaccccagga gggttcaagc 420
gattctcctg cctcagcctt cccagaagct ggaactacag gcgcccgcca ccagg      475
```

```
<210> 290
<211> 327
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G
```

```
<400> 290
nctgaggttg tcagtacaat gaaaccaaac tggcgggatg gaagcagatt attctgccat 60
ttttccaggt ctttgagttg cacgtcaaat ctggggctga tcaccccaca cttgtttagc 120
ctgcctgtga ggttcacaac aattttccca gctctgtggt catcaatgat ttcaaattcg 180
ccaatgtaac catgcttcat catcacagtg agaaaccgga cgatgacttt ggagcacggc 240
ctaataagca cctggcgttt gcctctcttt tcggcattgt tgatactctt gagagcatct 300
gccaggacat tcatgcgcac cattgtg                                     327
```

```
<210> 291
<211> 688
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 543, 545, 669, 672, 674
<223> n = A,T,C or G
```

```
<400> 291
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttccttttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
```

```
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atattttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt tttttttttt ccaagaaggg ctgagtctac atttgatgtg attgaagtcc 540
ctncnagggg tcctctgggg cccttcacga taactgtgcg tcccttcaga gtaatgtcga 600
cattttctgg aatgtcgaca gtctgattgc tgagaatagt ctttcattct cgcacctgcc 660
ccgggcggnc cnangggcga aattccaa                                    688
```

<210> 292
<211> 213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 69, 126, 141
<223> n = A,T,C or G

<400> 292
```
aaaaataaaa ttataaacaa aatacagaaa aatattgaca cctgtgataa caaggaaatg 60
actcttaang gcagtttgtt gtcctggggg aaaaaatcat aagtgttata aagaaatatt 120
attgtncaaa ggaggaatgt natatttaag gttcatttac aacgggcatt tggcgtcgac 180
agaaaaagtc tttctatgta tacattcaac att                             213
```

<210> 293
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 550, 631, 638, 652, 665, 668, 676, 679, 684, 689, 698, 701,
704, 712
<223> n = A,T,C or G

<400> 293
```
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca ccccccaatt aaaggcaaac 300
aatggcactt tgcccttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atttcttcan gcaggtaagt aaaggaggtg ggggttcttt tttcaggcat tttcacggcc 600
ctttcatagg gttggcaaaa ccgtacttga nggaggtngc tttcaaaggg cnaggggggta 660
cccangcnaa attctnccng ggcnaccgnt tttccggngt ngtntggaat gnttaattcc 720
```

<210> 294
<211> 680
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 563, 567, 586, 598, 601, 635, 637
<223> n = A,T,C or G

<400> 294
aaatgaaggc accaacaaga actactttca gatggtacag aatttcttat ttcttgaaga 60
ctctgtggtt gaccacttct tcattagtta cctgcagcaa gacaccttcc tgccaaagga 120
aaaaaaaagt atctgaagaa gtttatcatg tttgtccaaa agaacctaaa caacttcagt 180
ggtggtctta ggatcaaaga agactcattg gtgtatagag taagccctga gtatcacatt 240
cctgtaaagg caataaagcc gggcaatcaa actgatcata tctaaggaat gaatttcaac 300
agccaaccta caactttctc ttcagggtaa gacactgaac tagaattacc acatttaacc 360
cacctattta gtactggata cataccaggc ttcataatgc agacaagaca cttcactcaa 420
gtatgaacta ctatctgaaa atagattcaa ccatttttgc cctaccttct ttcagtctca 480
tcctgataag catgtacagt tacaaccata aatacaacaa atgtctttaa taaaaacccc 540
tagttcactc aaaatggttg atncaanaaa tgtgaatcac aagggngtaa ccatgggnaa 600
nctcatggaa ttatttgaaa cttggcaggc cttancnttt ttaccctacc cattttttac 660
cttccccaaa ccccccccct                                          680

<210> 295
<211> 666
<212> DNA
<213> Homo sapiens

<400> 295
ccaggctggt tttgaactcc tgacctcgtg atccacccgc ctcagcctcc caaagtgctg 60
ggattacagg cgtgagccac cgcgcccggc aagaattcaa agttaaaaca ggttaccact 120
ttcacctatt accatcaggt tgcttatttt tgttttatgt tttttatttg tatgcatgtt 180
tactttatgt ttcagtttac tacccctaa ggcagcaaga gagcaggaag ataagcaaaa 240
tagagatgtt tttgacaact tggcactgag agactatcct aagggaataa tctgaaatac 300
ataaaaacat tttattcaca aaattggtca tcacagcatt atttacaata ctgaaaatct 360
ggaaatagcc taaatttcta acaattgaaa gaaggttaag taaattataa gactacacaa 420
taaaatatat taccagcaat atatctttgt gaaaatctat aataaccaca cataatactt 480
agtaaaaaag aacataaatt acatgataaa gaatatgatc agaacaatgc aaaaaattca 540
cacccccaaa aaagacaaga tattatatgg caatttcgtg gtaaaatatt catgtatttg 600
tgctgcattt ctaattttc cgtaactgac acatcagttt tataattagg aaaaaaatac 660
ctttta                                                          666

<210> 296
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 423, 432, 480, 556, 566, 572, 578, 589, 590, 593, 614, 618,
627, 641, 643, 644, 655, 658, 662, 665, 682, 685, 690
<223> n = A,T,C or G

<400> 296
aaaaaatgaa atgggaagat tgtcaggaaa ttaggatagc tactctagta taatttagaa 60
```

```
aaactaagca agagattctc cagttgctag tgagtaagca ctctgatttg agaaatgtgt 120
ggggacaatg gagaaaagtt ttcagaaaac tgctatgtag atttctgaat gtgttgtatt 180
ttgctgagga attcggtaac aactgaaagg gaaaagtgct tcagccatct tttgaaaaca 240
agttaaaatt ctggaacttg tatctgtaat acatcctaac tcttgtaaaa gaaaataatt 300
tatcatagct ggtgtccttt cattgaaagt tgtaatactg tctctaagga gggaggaaaa 360
gattattata taattttata actggcaaca tttgagttag tattgacttt gtctaaaaga 420
ggnttgactt cnactgggat aaaaatgtca gtgaattttg ttaaagtagt aaaaatgcan 480
gtgacttagt cggaacataa aattatttgc taataagata atattgcctc ctaccaaata 540
aaccgggatt tttagnaata tctganggat tngttgangg gcggagttnn acngtatttg 600
gcctagaatt tggnaaangt cacttgnatg tcaatatggc ngnncaatgt tgaanggntt 660
cntanaaacg acttttttct gnccnccccn c                            691
```

<210> 297
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 663, 676, 689, 693
<223> n = A,T,C or G

<400> 297
```
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaaccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcctttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catcagggaa 480
tgtggaaatg actttgctga attctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaatcttgg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccctgca ttttaccctg cccgggggcgg 660
gcnctccgaa aagggncgaa attcccagna ccncttggg                    699
```

<210> 298
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 557, 569, 584, 588, 620, 622, 636, 638, 643, 648, 654, 661,
665, 670, 678, 680, 686
<223> n = A,T,C or G

<400> 298
```
ggatgtcatc agcattgaca agacgggaga gaatttccgt ctgatctatg acaccaaggg 60
tcgctttgct gtacatcgta ttacacctga ggaggccaag tacaagttgt gcaaagtgag 120
aaagatcttt gtgggcacaa aaggaatccc tcatctggtg actcatgatg cccgcaccat 180
ccgctacccc gatcccctca tcaaggtgaa tgataccatt cagattgatt tagagactgg 240
caagattact gatttcatca agttcgacac tggtaacctg tgtatggtga ctggaggtgc 300
taacctagga agaattggtg tgatcaccaa cagagagagg caccctggat cttttgacgt 360
```

```
ggttcacgtg aaagatgcca atggcaacag ctttgccact cgactttcca acatttttgt 420
tattggcaag ggcaacaaac catggatttc tcttccccga ggaaagggta tccgcctcac 480
cattgctgaa gagagagaca aaagactggc ggccaaacag agcagtgggt gaaatgggtc 540
cctgggtgac atgtcanatc tttgtacgna attaaaaata ttgnggcngg gattaataac 600
acaaaaaaaa aaaaaaaaan cnttccccgg ggggncntt ttnaaaangg gggncaaaat 660
ntttnccccn ccacccncn ttgggnggggg g                            691
```

<210> 299
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349, 354, 360
<223> n = A,T,C or G

<400> 299
```
aaatctcatt tggttacctt gagtcctgga acatgcagta actgtcatgc tatagacatc 60
atctgtattt ggctgggaat acaaatgaag attgtggtgt attcaagcag tagggttttt 120
gcttttgttt ttgttttagt gccaacaaaa ctttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggct ggttggattt ccttttttacc ctgtaatcca agcgttaata 300
gtttgttaga agatgggtta ttgcatgtca ctttttttttt ttgtaaaana aaancttccn 360
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa a                            391
```

<210> 300
<211> 341
<212> DNA
<213> Homo sapiens

<400> 300
```
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacgggggat gagctcagga cagagccaga ggccaagaag agtaagacgg ccgcaaagaa 120
aaatgacaaa gaggcagcag gagagggccc agccctgtat gaggaccccc cagatcagaa 180
aacctcaccc agtggcaaac ctgccacact caagatctgc tcttggaatg tggatgggct 240
tcgagcctgg attaagaaga aaggattaga ttgggtaaag gaagaagccc cagatatact 300
gtgccttcaa gagaccaaat gttcagagaa caaactacca g                 341
```

<210> 301
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 586, 626, 664, 669
<223> n = A,T,C or G

<400> 301
```
nnaaaggtcc aaaagcctgc caacccctgg gaattctaca ttgggaccca gttgatggaa 60
agactaaagc catctatgca gcacatgttt atgaagttct attctgccca cttattccag 120
aatggcagtg tattagtagg agagctctac agctatggaa cattattaaa tgccattaac 180
ctctataaaa ataccccctga aaaagtgatg cctcaaggtc ttgtcatctc ttttgctatg 240
```

```
agaatgcttt acatgattga gcaagtgcat gactgtgaaa tcattcatgg agacattaaa 300
ccagacaatt tcatacttgg aaacggattt ttggaacagg atgatgaaga tgatttatct 360
gctggcttgg cactgattga cctgggtcag agtatagata tgaaactttt tccaaaagga 420
actatattca cagcaaagtg tgaaacatct ggttttcagt gtgttgagat gctcagcaac 480
aaaccatgga actaccagat cgattacttt ggggttgctg caacagtata ttgcatgctc 540
tttggcctta catgaaaagt gaaaaaatga aggaggagaa tgtaancctg aaggtctttt 600
ttagaaggct tcctcatttg gatatngtgg aatgaatttt ttcatgttat gttgaatatt 660
ccanaatgnc atcatcttcc atctttg                                      687
```

<210> 302
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 464, 490, 518, 548, 566, 577, 611, 612, 640, 647, 660, 671,
675
<223> n = A,T,C or G

<400> 302
```
ggcgcctctg cgcgcgggaa gatggcggaa caggctacca agtccgtgct gtttgtgtgt 60
ctgggtaaca tttgtcgatc acccattgca gaagcagttt tcaggaaact tgtaaccgat 120
caaaacatct cagagaattg ggtcattgac agcggtgctg tttctgactg gaacgtgggc 180
cggtccccag acccaagagc tgtgagctgc ctaagaaatc atggcattca cacagcccat 240
aaagcaagac agattaccaa agaagatttt gccacatttg attatatact atgtatggat 300
gaaagcaatc tgagagattt gaatagaaaa agtaatcaag ttaaaacctg caaagctaaa 360
attgaactac ttgggagcta tgatccacaa aaacaactta ttattgaaga tccctattat 420
gggaatgact ctgactttga cacggtgtac cagcagtgtg tcangtgctg cagagcgttc 480
ttggagaagn ccactgaggc aggttcgtgc cctgctgngg gcagcctgac tagacccccc 540
ctgagggnct gcatttctca atcggngtgt aatcacnttc caaggggccaa agcccagctc 600
ttttgttcaa nntgacttac tgtttcttac cttaaaaagn aattgtngat ggaaatcaan 660
tgtgtttggc ngggngaaat taataaaaat t                                 691
```

<210> 303
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 363
<223> n = A,T,C or G

<400> 303
```
aaatctcatt tggttacctt gagtcctgga acatgcagta actgtcatgc tatagacatc 60
atctgtattt ggctgggaat acaaatgaag attgtggtgt attcaagcag tagggttttt 120
gcttttgttt ttgttttagt gccaacaaaa cttttttttg tctgactaca ttaaagataa 180
gactgactat atttatacaa cagaaacttt gtaatagatt ttttcagctt tgtgaaatcg 240
aatttttttt catcagggct ggttggattt ccttttttacc ctgtaatcca agcgttaata 300
gtttgttaga agatgggtta ttgcatgtca ctttttttttt gtaaataaa aacatacctt 360
ttnaaaaaaa aaaaaaaaaa aaaaa                                         385
```

<210> 304

<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 169, 200, 529, 573, 574, 588, 627
<223> n = A,T,C or G

<400> 304
ccaagtcaaa attgggccca gcgtctttct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gactttttana gggatgcagg 180
ttgagttgta cataacttan aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacactgc 360
gcatcatggg agggtgaaga ggaaaagggg ctagttaaaa tcttgcttct actgtgggcc 420
gaactcagga ggagccctaa agctaagccc ttgggcttga cagctctact tttcacctct 480
aactaccact gtgccaatga gtgccgagtg ccaagatcag acctcgggnc gcgaccccct 540
aagggcgaat tccagcacac ttggcggccg ttnntagtgg atcccaanct cgggtaccca 600
agctttgggc cgtaaaatca atggggncat ta                             632

<210> 305
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 562, 596, 617, 644, 650, 665, 672, 684, 689, 693, 695
<223> n = A,T,C or G

<400> 305
aaaactgact aggtcaaaaa tagttacgcc tgcaggttga cctattcaga ctttgccaaa 60
ctcctccaag ttcaatataa attgacgttt tcagagtaca aagtcaattt tacggaaacg 120
ctgttcctcc ttttccatgg agccaatctg ggtaattttt tcattaaaat tcttcttctg 180
cctgtttgct gcggaactct ttgagctgct gtagccgctc gatagtttca gaaatggtgc 240
gttccccgtg gaccttattg tctcttgtgc ggatattaac agtgccactg attttctctt 300
tttcaccaac aactaaaatg aagttatact gtgctaactg tgcatttcga atctttttat 360
tcaatgtaca gcctggatcc agatcaatgt ctgccatgaa tttggcatcg tggaattgtt 420
gtcgtacctt ttgggcatat tcatcacagg ttggtcccac tggaactacc attacctggc 480
gaggggacag ccaaaagggc catttgcccc catagttttc tgtgaggata gcaatcattc 540
tttccactga tcccaagatg gntcgatgaa caatcactgg ccttttctta tcatcnccat 600
catggcttac ataagtnaga ataaatctga tgggcaactg ggananccan aacctcgggg 660
ccgcnacccc cncttaaggg gccnaattnc agncnc                         696

<210> 306
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 377, 401, 405, 412, 413, 419, 426

<223> n = A,T,C or G

<400> 306
ctggaggatg catttctgac cccatcccag acacgtgaaa gcagaagaca tgatgcatct 60
ataataatga aagcacaatc taaagagtat tatcacaccg tgaacagctt cttcctgacc 120
cagagcaaat attaagagaa agacaatata tttacaaaca agatttaata atgctcacaa 180
gaatagagtt tgcccccaaa tggaaaatta cacattattt tgtttcaaaa agttataaat 240
ttagtgcttg aaaaatccag caggtaagta gaaggactaa cagggtctgt ttctggaact 300
gtccgccagc aaatgagcat gctctgtcct ggaagccatt tttctttttc ttttttttt 360
ttttttttt tttttnaaa aaaaaaattt tttttttttt ncccnggggg gnnaaaaang 420
gggaantttt 430

<210> 307
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 535, 552, 558, 607, 624, 629, 638, 668, 679, 680, 683, 691
<223> n = A,T,C or G

<400> 307
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctcttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaacctt catgtgttga atgttcaaat 420
aatgttcatt acacttaaga atactggcct gaattttatt agcttcatta taaatcactg 480
agctgatatt tactcttcct tttaagtttt ctaagtacgt ctgtagcatg atggnataga 540
ttttcttgtt tnagtgcntt gggacagatt tatattatgt caattgatca ggttaaaaat 600
tttcagngtg tagttggcag gatnttttnc caaaattncc atgcatttat gggggtcttg 660
ggggggcngg gggaacatnn ggnaaaggtt naa 693

<210> 308
<211> 295
<212> DNA
<213> Homo sapiens

<400> 308
ctgagtatgt cccagagaag gtgaagaaag cggaaaagaa attagaagag aatccatatg 60
accttgatgc ttggagcatt ctcattcgag aggcacagaa tcaacctata gacaaagcac 120
ggaagactta tgaacgcctt gttgcccagt tccccagttc tggcagattc tggaaactgt 180
acattgaagc agaggttact attttatttt attttttctt atatcagtat tgcagcattc 240
actgtagtga tagaaaacaa gttaggaaca tagccaatta ggacaaggag gattt 295

<210> 309
<211> 58
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 21, 29, 31
<223> n = A,T,C or G

<400> 309
gcaggtaaaa tgttcatgtc naaaattant naactatagg aatagctcta tgagaaca    58


<210> 310
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 310
nctgcaagcc attcgaataa ttcaagagag aaatggtgta ttacctgact gcttaaccga 60
tggctctgat gtggtcagtg accttgaaca cgaagagatg aaaatcctga gggaagttct 120
tagaaaatca aaagaggaat atgaccagga agaagaaagg aagaggaaaa aacagttatc 180
agaggctaaa acagaagagc ccacagtgca ttccagtgaa gctgcaataa tgaataattc 240
ccaaggggat ggtgaacatt ttgcacaccc accctcagaa gttaaaatgc attttgctaa 300
tcagtcaata gaacctttgg gaagaaaagt ggaaaggtct gaaacttcct ccctcccaca 360
aaaagg                                                           366


<210> 311
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 452, 562, 565, 566, 576, 579, 597, 607, 627, 629
<223> n = A,T,C or G

<400> 311
nnaaaaactg actaggtcaa aaatagttac gcctgcaggt tgacctattc agactttgcc 60
aaactcctcc aagttcaata taaattgacg ttttcagagt acaaagtcaa ttttacggaa 120
acgctgttcc tccttttcca tggagccaat ctgggtaatt ttttcattaa aattcttctt 180
ctgcctgttt gctgcggaac tctttgagct gctgtagccg ctcgatagtt tcagaaatgg 240
tgcgttcccc gtggacctta ttgtctcttg tgcggatatt aacagtgcca ctgattttct 300
ctttttcacc aacaactaaa atgaagttat actgtgctaa ctgtgcattt cgaatctttt 360
tattcaatgt acagcctgga tccagatcaa tgtctgccat gaatttggca tcgtggaatt 420
gttgtcgtac cttttgggca tattcatcac angttggtcc cactgggaac taccattacc 480
tggcgagggg acagccaaaa gggccatttg cccccatagt tttctgtgag gatagcaatc 540
attctttccc tgatcccaag anggnntcga tgaacnatna ctggcccttt tcttatnatc 600
cccatcntgg ctttacataa agtaaanant aaatc                           635


<210> 312
<211> 446
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 361, 392, 420, 426
<223> n = A,T,C or G

<400> 312
aaaaatatat aatgttttat tgtcaaaaat agacaaactt taatttcctt taacaggaat 60
attaatttaa cagccttcca taagccatca ccattttgta agcataacag gcaagagagt 120
caaagataac tgttagtggg aaaaggacaa cagttctaca tccatgccca agaagccttg 180
cccagtcagt ggtgacaact ccaggacagc ggcagaaaca cagtgaacct ttggagctta 240
acaatagcca tgcaaaacaa catagattta tcttggccca attctataaa gattggcttt 300
gtagtatctt tccaagcatt tgaagagttt agtttggtag aacactgcta atttgaccag 360
ngacattttt aggtcactta tagtatcagt anccagggat caccccctg gttttttan 420
ggttanccac ccccgggat ggaaaa                                      446


<210> 313
<211> 290
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 189, 207, 243, 253, 256, 261
<223> n = A,T,C or G

<400> 313
nnctgtgatg ggcttctctg gctttggttc caccaagaag agttactgag gctttctgtg 60
cttggcctga ctttggccta tgctggacct aactttgcgt gtgtgtgtgt gtagtagggg 120
gtcatttctt tttgggtaat gggaaagttc ttaagagtgt caatggggag ggatagaggg 180
tgggggctna tggtttccct ctacttnggg agagggcaca gattgcagag gtaatgctgt 240
ggnatattgc ttntgnctca ntgtatcact ggagtcacag gaccctgccc              290


<210> 314
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 275, 277, 403, 409, 412, 439, 440, 469, 475
<223> n = A,T,C or G

<400> 314
nngttttaca aggacaccta caacaagctg aaaaccaagg atgagcccca gcgggaaacg 60
ctgaaagcca tccactatgc gttgaactgc tgtggtttgg ctggggggcgt ggaacagttt 120
atctcagaca tctgccccaa gaaggacgta ctcgaaacct tcaccgtgaa gtcctgtcct 180
gatgccatca aagaggtctt cgacaataaa ttccacatca tcggcgcagt gggcatcggc 240
attgccgtgg tcatgatatt tggcatgatc ttcantntga tcttgtgctg tgctatccgc 300
aggaaccgcg agatggtcta gagtcagctt acatccctga gcaggaaagt ttacccatga 360
agattggtgg gatttttgt ttgtttgttt tgttttgttt gtngtttgnt gntggttatt 420
ttgccactaa ttttagtann cattctgctt tgctagataa aagctgaant gaccnaggtg 480
t                                                               481


<210> 315
```

<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568,
576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639
<223> n = A,T,C or G

<400> 315
ccttattgaa gatgaatgga tcaccattga taaatttacc agattcactg atgttccttt 60
agctgcggga tttcagtggt acctttctca aactcaactt agtaaactaa aaccaggtga 120
ctggtctcag caagacatag gtactaattt ggttgaagca gataaccaag cagagtggac 180
cgatgttcag aagaagatta tcccatggaa cagtcgtgtt ccgacttag acctggagct 240
cctgtttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300
ctcgctcatc gacaaaccga ccaatttagg aggactgtgc aggacctgtg aggtatttgg 360
ggcttcagtg ctcgttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420
cagtgtctnt gcnnaacagn ggcttnctct agtggaggta aaaccacctc anctaattga 480
ttatctgcan cnnaagaaaa cagaagggta taccctcctt tggaattgga acaaactgcc 540
aaangtttag acctaaccca atattgcntt cctganaaat tntntgctct tgncgggaaa 600
tgaacntnng ggaattgccg caatgngacc caccagnnng ggccct 646

<210> 316
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 10, 20
<223> n = A,T,C or G

<400> 316
ctncaagggn cctggtttgn atctaagcaa acacccagat ggggttctct ggtctcagca 60
aggctttcc tgttgggagt cacagtaaac agaaacccaa aaatctcatc ttgggtgttt 120
tcagggcttg ttttgagttt tgctgaatag ggagcgcaag acgccctgag cctccctctc 180
actggtggtg ataagaggag ccgtctggtg tgtcagggtc acgaacccgt tacatttcag 240
gacgatcctt tttccttcag cagcatttct tactggctgt ggctggaatc tgccttttat 300
cacagacctg ccc 313

<210> 317
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 504, 509, 515, 520
<223> n = A,T,C or G

<400> 317
ccacgtccat cggagtgtcc ttctcggtgg gcgacggggt gcctgaggct gagaaggacg 60
caggggagcc cgagaacacc tatattctgc ggcctgtttt ccagcagagg ttcaggccct 120

```
ctgtggttaa agactgtatc catgctgtgc tcaaggagga actggcaaat gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgctgtt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agtttattct gcgttgtagc agccatttgg ctgtttctac 420
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctcaactttt 480
taatatttgt taaatatctt gacnaaatna agatnttagn tagttccg             528
```

<210> 318
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 216
<223> n = A,T,C or G

<400> 318
```
nnaaataaat tcacacaaag aaagagaaat agaaagcgac ggtagtgacc agcaagagga 60
ataataatta cattcatctt aatgtgtgtg tgccagttct gtttacatta acattggaaa 120
actccagacc tggaatccag aacctcaaat ctgtgagtgg aatgtcttga gatgggcacg 180
tggaagtcaa agggtttctc tttttttttt ttcccntttt aaaa                 224
```

<210> 319
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 266, 273, 276, 278, 302, 309, 319, 335, 338, 364, 372, 375,
387
<223> n = A,T,C or G

<400> 319
```
aaataataca gaacaattaa agctaaccaa gtgcaacaga taaataagcc tgccagttat 60
acacataact ttataccaac cataattcag ccagtcaaaa ttccaaaaac aatccaaata 120
acttccaaca tactagcggt caaactaccg aataaacttg atgcagacca gtattcccaa 180
gttgcaatag tatccaatga ctttgctgaa atgcataaaa tggacaagcc taggtatctg 240
cgcaaccagc aggttttttt ttttgnccaa ggntananaa tgcctggtaa aagcttgacc 300
anaaaactnt caaaagtanc tgttctgcct tactnttntt aaaatactta aaatttgaat 360
aaanaaccta cnggntatgt aacattntaa ggt                             393
```

<210> 320
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 320
naaaaattat tatcaaacat gcacatgctt gtacacacac acacacacac acacaaacag 60
gggcatttgt aaaggtgtcc ctggaatgta agatttataa tgtttaaggc aaggtgaagg 120
cattgccaag tgtgtgtcgc tcataagact agtgtatatt cactgaaagt taacctgatg 180
atttgttatt gtttgaacca tatgctgatt tgcttctggt ttctgtttag tgtgttctct 240
ctgataaggg gctgaaagat tctgcatcac acatcctctg agacctacca tgtcgcacac 300
tttgttaatg acaaacttca ctctacacta tacagtacct tgttgatata ttcagtaaag 360
tcttattt                                                        369

<210> 321
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 394, 481, 488, 499, 507, 518, 524, 533, 550, 557, 560, 564,
569, 574, 575, 586, 587, 604, 605, 607
<223> n = A,T,C or G

<400> 321
aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaatcc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtaccgcag 300
agctcaagga tggcaaggat taaaagaata tgatcaagca ttggctgatc ttaagaaagc 360
tcaggggata gcaccagaag ataaagctat ccangcagaa ttgctgaaag tcaacaaaag 420
ataacgccag aaagataaag agaaggcagt atatgcaaaa atgttgctta gaaaggattc 480
ngttgccnta tttgggtgnt tgattgnatt aaattgcnat taanaaaatg gtnaaagggg 540
tttttgggcn tggggggnaan tatngaaanc cccnnaaaag ggggnnttt ccccttttt 600
tggnncnacc cccctttc                                              618

<210> 322
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 408, 415, 422, 438, 444, 449
<223> n = A,T,C or G

<400> 322
aaaacaaaga tctatcaccc aaacatcgac gaaaaggggc aggtctgtct gccagtaatt 60
agtgccgaaa actggaagcc agcaaccaaa accgaccaag taatccagtc cctcatagca 120
ctggtgaatg accccagcc tgagcacccg cttcgggctg acctagctga agaatactct 180
aaggaccgta aaaaattctg taagaatgct gaagagttta caaagaaata tggggaaaag 240
cgacctgtgg actaaaatct gccacgattg gttccagcaa gtgtgagcag agaccccgtg 300
cagtgcattc agacaccccg caaagcagga ctctgtggaa attgacacgt gccaccgcct 360
ggcgttcgct tgtggagtac taactttct acagtttttc tttattcnaa aaagnggcct 420
tnggggtaac ccctggtnaa aagnaaaang ggattttaaa aaaaaatttt ttaaaggaaa 480
ttgttttttcc ccccg                                                495

<210> 323
<211> 88
<212> DNA
<213> Homo sapiens

<400> 323
aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60
gggaggtgga tgagtatgca tggggggg                                    88

<210> 324
<211> 504
<212> DNA
<213> Homo sapiens

<400> 324
aaattaccca gtctcaggta tgtctttatt agcagcatga gaatggacta ataccccagg 60
acaaggccaa gatgggagtt catgctcctg accagaggga aggtggagat gagcagagag 120
cactctcctc caaaagagtt gatttctaaa tgaaaggaaa aagcaaacac aaataagaaa 180
agatttgcag aaatcaatta gaataaaaat gtcaacagac aataacagtg ttgcatagct 240
tgaacatttt tatattgatt aaattgtttt tcagtagaat cactgacaga acaggtcaga 300
atgaaaaaca ttccaaatat acagaaaaaa gattactgct cagttaaggt ccttttccaa 360
ataacttcac acaaatcctt tggttgctcc aaacagaatg agagctatga gaatggtggc 420
ccagcccggc catcagactc ccaagcattt ggtccccggt ctgaggtcac agaatctttg 480
cccctttacc gagactgctc tcag                                        504

<210> 325
<211> 160
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 42, 45, 84, 125, 126, 144, 148
<223> n = A,T,C or G

<400> 325
atagggaact caatgcataa ctatataatt tgaagattat anaanaaggg aaatagcaaa 60
tggacacaaa ttacaaatgt gtgntcctgg gacgaacaca tctttgaagg tcatgagttt 120
gttannttaa catcatatat ttgnaatntt gaaacctgga                       160

<210> 326
<211> 129
<212> DNA
<213> Homo sapiens

<400> 326
cctgccagtc tctggacggc tacggcgtag ggtggcaggc acaatctccg ggggcagatg 60
aaggtaatca cggagatact ggataccctc attggtaagg taccagtaga aatgtctcca 120
ggcaaactg                                                         129

<210> 327
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 141, 155, 220, 231, 232, 233, 241, 279, 281, 287, 291, 297,
313, 318, 323, 328, 329, 338, 341, 346, 351, 354
<223> n = A,T,C or G

<400> 327
ccaggactcg gttcagaggg tcccgcatgt tgaccgtgtg gagctgagag gctgagaggg 60
agctgctcat ggatcggtct gtggggctcg aaaggatgtt ggcatcgtcc tcattagagc 120
tcagcagtcg catcaacttc naaggctgca catcntccag ggggaagagg ctgatagacc 180
aaattttca ttttctttct tgctaggact gtatgcaaan catgaaacta nnnaatgcgc 240
naaaatgaat ctctcttcct atatattaat actaacctnt ntctttnttt nctttanggt 300
gatctttact ttnacagnca tcncaaannc ccttatanca nccttntcca ntgnatggac 360
cact 364

<210> 328
<211> 601
<212> DNA
<213> Homo sapiens

<400> 328
tgttgcctgg gctggacgtg gttttgtctg ctgcgcccgc tcttcgcgct ctcgtttcat 60
tttctgcagc gcgccagcag gatggcccac aagcagatct actactcgga caagtacttc 120
gacgaacact acgagtaccg gcatgttatg ttacccagag aactttccaa acaagtacct 180
aaaactcatc tgatgtctga agaggagtgg aggagacttg gtgtccaaca gagtctaggc 240
tgggttcatt acatgattca tgagccagaa ccacatattc ttctctttag acgacctctt 300
ccaaaagatc aacaaaaatg aagtttatct ggggatcgtc aaatctttt caaatttaat 360
gtatatgtgt atataaggta gtattcagtg aatacttgag aaatgtacaa atctttcatc 420
catacctgtg catgagctgt attcttcaca gcaacagagc tcagttaaat gcaactgcaa 480
gtaggttact gtaagatgtt taagataaaa gttcttccag tcagttttc tcttaagtgc 540
ctgtttgagt ttactgaaac agtttacttt tgttcaataa aagttttgta tgttggcatt 600
t 601

<210> 329
<211> 415
<212> DNA
<213> Homo sapiens

<400> 329
ccacccagta ctttgctgac agggacatgt tctgtgctgg ccgagtacct gaggaggatc 60
tgaagaggac aatgatggcc tgtggaggct caatccagac cagtgtgaat gctctgtcag 120
cagatgtgct gggtcgatgc caggtgtttg aagagaccca gattggaggc gagaggtaca 180
attttttac tggctgcccc aaggccaaga catgcacctt cattctccgt ggcggcgccg 240
agcagtttat ggaggagaca gagcggtccc tgcatgatgc catcatgatc gtcaggaggg 300
ccatcaagaa tgattcagtg gtggctggtg gcggggccat tgagatggaa cttctccaag 360
tacctgcggg gattactcaa ggactattcc aggaaaacaa gcagacctcg ggccg 415

<210> 330
<211> 337
<212> DNA
<213> Homo sapiens

<400> 330

```
ggaccttctg cggccgatga gaagaagaag gggcccaaag tcaccgtcaa ggtgtatttt 60
gacctacgaa ttggagatga agatgtaggc cgggtgatct ttggtctctt cggaaagact 120
gttccaaaaa cagtggataa ttttgtggcc ttagctacag gagagaaagg atttggctac 180
aaaaacagca aattccatcg tgtaatcaag gacttcatga tccagggcgg agacttcacc 240
aggggagatg gcacaggagg aaagagcatc tacggtgagc gcttccccga tgagaacttc 300
aaactgaagc actacgggcc tggctgggtg agcatgg                           337
```

<210> 331
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 341, 343
<223> n = A,T,C or G

<400> 331
```
naaataatcc aggcaggaga agagaggagg gcacacttgg aactcccctc cccacaatac 60
gtgattattt acattttagt aattggacaa tcccggctca ggaggaggtt gcaagaatct 120
gcaaaagttg gagggagcgc cccaggagaa caaacagcaa gccttatttc ccctagccca 180
tcccccaaaa aaccatccat cccatcctag tgtctggtgg tgtccggtgg tgtccatctt 240
ccattccttc ccaaattatg gaagtaaggt cttctcacc agaataagag cacttgggat 300
aacagagtag ggtcccctca cccaaaaaaa aaaaaaaaaa ncnttggggg aa          352
```

<210> 332
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 332
```
nngtgacatt ggcccctaga ccctctctat agccatgaga ctccttgtgg cctcaagaaa 60
tttagacgcc cacgacagca ctacacagca tctccaggtg atgcccaagg cacagggctg 120
cagaaaataa acctccagat tccaccaaca cgggtccatt cttcctggtg atggcagagg 180
ggcttctttt agctagtttg atcttttggg agtctgtctt tccttagccg tctgagtgag 240
ctgtgtatga acaagtccca ggagttccaa gagtctagag tggttttttgc agcatgggtt 300
gagtgtacaa agcctactgt gcgtgagatc ctctccttcc gtttctgaaa tctcttactc 360
aggtaagg                                                          368
```

<210> 333
<211> 132
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 58, 68, 118, 124, 127
<223> n = A,T,C or G

<400> 333
ggggcgggaa gtggcaggaa atggcgaaag cctcaggaat gtttccacca gggaaggntg 60
ggcaaacngg gccaggagga atgcccagac aagaactctg gttaggggga ggggaatnac 120
acancanaac ca                                                    132


<210> 334
<211> 418
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 135, 371, 384, 393, 394, 400, 403
<223> n = A,T,C or G


<400> 334
ctggatgagg aggagaggat gagaatggca gaaggaggag ttactagtga agattatcgc 60
acgtttttac agcagccttc tggaaatatg gatgacagtg gttttttctc tattcaggtt 120
ataagcaatg ccttnaaagt ttggggttta gaactaatcc tgttcaacag tccagagtat 180
cagaggctca ggatcgatcc tataaatgaa ggatcattta tatgcaatta taaggaacac 240
tggtttacag ttagaaaatt aggaaaacag cggtttaact tgaattctct cttgacgggt 300
ccagaattaa tatcagatac atatcttgca cttttcttgg ctcaattaca acaggaaggc 360
tattctatat ntgtcgttaa gggngatctg ccnnattgcn aanctgacca actcctgc   418


<210> 335
<211> 644
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 414, 445, 492, 527, 566, 580, 588, 589, 597, 599, 605, 607,
615
<223> n = A,T,C or G


<400> 335
aaaatatctt ctttctccaa agagtccatt gcgcatttct tagagtagag atggggacac 60
attccaggca aggtcacaat ggcattttgt tgccctcaat gctgattttc actgcgtgtg 120
cagatctgct ttttttcctt atatctgtga actttctcat ctgtttatcc agtcgactga 180
taccccttctt ggaggtcgcc tgaaactaag agtaagggaa aaattaaaga gcaaactact 240
gaaatacgta agtctagtta tgtctttcat cttcttataa ctgagttagc aaccagaaga 300
gcttctagct ctggaataac cagaatgtgt gttgatgacc tcaagaacaa caaagcaagt 360
atagatggtg ttagaaacgc gtattaaact ctctcagtga agaataattc tgtngtctgt 420
gctttatttt taattttgct gcagnccacg gaggtctcct agatgggaga aagagggggg 480
gaaactgaga cnatgatcct cccaattccc tcatggtcca ttacgtntta actgcatgcc 540
gtttcccttt tcgaagaccc aaatgnggaa ccctagccgn tttgacanng caccttncna 600
aaccngnggc ttggncataa aaaaaaagaa atgaaccctt aaaa               644


<210> 336
<211> 343
<212> DNA
<213> Homo sapiens


<220>

```
<221> misc_feature
<222> 1, 2, 78, 84, 146, 183, 190, 203, 218, 273, 275, 279, 286,
291, 307, 314, 319, 324
<223> n = A,T,C or G

<400> 336
nncctggggg ggatggtata tggccctttc cccaccaggc gctaagggga acaccccctt 60
ccccaggtct tttatttntt taanttattt ttgcacaaat gactctttta tatttaattc 120
gatttcattg cctcccttct taaagncaac aggctcagtt tacaaacctg tgagctactg 180
ttngctgctn ccctccttcc cantgaaagg tacaaagnaa taagcatcat gcatcctccc 240
cttacccctc caacacccct ctgcctctgg ctnangttnc tcaaancaca natcctctct 300
tacccntcc ccangtttna aacncatatc ctcatttcaa acg 343
```

```
<210> 337
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 205, 211, 215, 229, 232, 236, 240, 245, 248, 279, 312, 358,
359, 363, 371, 372
<223> n = A,T,C or G

<400> 337
ctgcagctcc cacctccagc ctgcagtatc ctgctgacaa acttcctgtg taccttacca 60
gcaggacacc agattggcac agtcagtccc ttgttccaaa aattggaaaa tgaccagatt 120
gaaagtttaa ggcagcgctt tggaggggggc caggtgagaa agctaaaggc tgtgccctcg 180
ctccacaaca gccacagcat cactnaccta ntttncctaa acagatctna cncatnactn 240
tttcnatntt ttggacctgc cgcttcctca cttacagtnt ttctttcctg tcttaactag 300
aagagacctt cnacttaaag gtaacctggg taccatatga aaaggctcaa tgaaattnna 360
ccntgacgga nnatatt 377
```

```
<210> 338
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 338
nnccaagagg agcaattttc gtgccatcag caaaaagctg aatttgatcc cacgtgtgga 60
cggcgagtat gatctgaaag tgccccgaga catggcttac gtcttcagtg gtgcttatgt 120
gcccctgagc tgccgaatca ttgagcaggt gctagagcgg cgaagctggc agggccttga 180
tgaggtggta cggctgctca actgcagtga ctttgcattc acagatatga ctaaggaaga 240
caaggcttcc agtgagtccc tgcgcctcat cttggtggtg ttcttgggtg gttgtacatt 300
ctctgagatc tcagccctcc ggttcctggg cagagagaaa ggctacaggt tcattttcct 360
gacgacagca gtcacaaaca gcgctcgcct tatggaggcc atgagtgagg tgaaagcctg 420
atgtttttcc cggccagtgt tgacatcttc cctgaacaca ttcctcagtg agatgcaggc 480
atctggcacc cag 493
```

<210> 339
<211> 489
<212> DNA
<213> Homo sapiens

<400> 339
ctggatgaag ttgtgtcaga gaaccagagg cttaaagtcc ctagtccaaa gcgaagagtt 60
gtctgtgtga tgatagtatt ggcatttata atactgaact atggacctat gagcatgttg 120
gaacaggatt ccaggagaat gaaccctagt gtgagccctg caaatcaaag gaggcacctt 180
ctaggatttt ctgctaaaga ggcacaggac acatcagatg gtattatcca gaaaaacagc 240
tacagatatg atcattctgt ttcaaatgac aaagccctga tggtgctaac tgaagaacca 300
ttgctttaca ttcctccacc tccttgtcag cccctaatta acacaacaga gtctctcagg 360
ttaaatcatg aacttcgagg atgggttcat agacatgaag tagaaaggac caagtcaaga 420
agaatgacaa ataatcaaca gaaaacccgt attcttcagg gtgctctgga acagggctca 480
aattctcag 489

<210> 340
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 267, 269, 271
<223> n = A,T,C or G

<400> 340
ctgaatggtg ctgacggtgg agctcacaga gctcctgcat tctcaaggtt tggatacatt 60
ctgggaaggg tgaactggtg taagagtcac ataatacgtg gagggggtgta ataatcaaaa 120
aaacatagca aaacaccttc tgtgcctgag ccagggttga gggagccgag aagaaagtcc 180
acagctctgc cacacgggcc agcagtgctc atgtctgctg gctgatcctc cccaaagcct 240
ctcctgccac cttttttttt tttttnanc naaacaaaag ggcaaa 286

<210> 341
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 640
<223> n = A,T,C or G

<400> 341
aattgtcggt gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60
ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120
agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180
gccttggttc aagggatgga aagtcacccg taaggatggc aatgccagtg gaaccacgct 240
gcttgaggct ctggactgca tcctaccacc aactcgtcca actgacaagc ccttgcgcct 300
gcctctccag gatgtctaca aaattggtgg tattggtact gttcctgttg gccgagtgga 360
gactggtgtt ctcaaacccg gtatggtggt cacctttgct ccagtcaacg ttacaacgga 420
agtaaaatct gtcgaaatgc accatgaagc tttgagtgaa gctcttcctg gggacaatgt 480
gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540
cagcaaaaat gacccaccaa tggaagcaga cctgcccggg cggccgctcg aagggcgaat 600

tccagcacac tggcggcccg tactagtgga tccgagctcn                    640

<210> 342
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 109, 131, 308, 584, 622, 644
<223> n = A,T,C or G

<400> 342
ccaattaaaa tatatagcaa taacagtatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagtt actttctang ctcagttatt 120
ctaaacttgg ntaaaatatg caacttgaat tctaatgcat ccttctcatt tgaactaaag 180
gattattctg cggacacaaa tttgttccta aaatttcaat caaatggggt ctctgcatat 240
cccacaactg cttcctaatg acttcctacc ctccagttac acataatcat aatgtctaaa 300
caacacantt taggattcca aaattataag gccattcaag tttcttcaat ctctaacatg 360
caggatctct atcaaaatgg gagattaatt tttgatatga atatcagatg aaagataatg 420
aaatttgtat aagatcagca ctaatacata taataagatc aacattttta cagaattatt 480
tctttagatt tagaaagaat acacatttcg aacacttgaa agagggctac acatggtaag 540
ttatcatctg ccagtatcaa aaatgatgtg ttgaaaaccc ctgngggaaa tgagttaatg 600
aagtcacaca ggacctgccc cngggggggc ccttcgaaaa gggngaaatc t         651

<210> 343
<211> 487
<212> DNA
<213> Homo sapiens

<400> 343
ccttttccatt tttatcttgt attttccac tcttttggca gacctgcatg ggcaaggacg 60
taacccttca cgtctcagca agcaacccccg ctatgctact gtaccagaag tttggattca 120
agactgaaga atatgtatta gatttctatg ataaatatta cccattggag agtacagagt 180
gtaaacacgc attctttctg aggctccggc gctgatgcga atacagctca cagagaaacg 240
catgtgctat tggagaacag gtctttgtgg agatctaaag gcagtgattg atttcacagg 300
gagctctaat ctctgtgatt acatggtcct tcaaactccc aaccaaagtg agaaaagcgg 360
caggcagtga aatgagcagt gagcagccct ttagcaaaat cgccctccag tccttcctgg 420
agatgccttc agccagcatc ccagactcca cagttattta tgaatgatgt cgtgattctc 480
cctccac                                                         487

<210> 344
<211> 395
<212> DNA
<213> Homo sapiens

<400> 344
gcctgaagtc acatcggctg catcattttc attcaaaagc cctgcagctt ccagttttgg 60
atcacctgga ttttcaggac ttccagcttc cttggcaaca ggtcctgtca gagctccagt 120
ggccccagcc tttggaggtg gcagttctgt ggctggtttt ggtagtccgg gctcacattc 180
tcacactgct ttttctaagc catccagtga cacttttgga aatagcagca tatccacttc 240
tctgtcagcc tcaagcagca tcattgcaac agataatgtg ttattcacac ccagagataa 300
actaacagta gaagaactgg aacaatttca atccaagaaa tttactctgg gaaaaattcc 360
attaaagcct ccacctctgg aacttctaaa tgttt                          395

```
<210> 345
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 160, 162, 438, 498, 500, 519, 530, 539, 546, 564
<223> n = A,T,C or G

<400> 345
aaagatgttt tcttgaatta tttagaacat ggtaagcctg gtattttta atcaaacaaa 60
atatttatga aatgggtttt ctcttaattc tggattcatc atggctttct aataccaatt 120
gtaatatta caatattcac caaaacttag aattttgcan angctggaat tctgccagtg 180
tttctttgct aagccttgca tgcaaaattt gaatttttaa cattggcacc caaaacctac 240
atggaatgta tgtctggagt atttcaaact ttacattgaa acataatttc cttggaaaac 300
aaaccataag cctgaggagg tttttatcaa ctggaatgct ttatattagg tttgttttc 360
actgtacatt cctcatttta cattcattta acctgccaat tatttaattt ttttattgta 420
aagtagtttt tagcattngc ttttattttt ttactttgat gcctttcaaa attgggcatg 480
tctttacctg cccgggcngn cgctcgaaag ggcgaattnc cagcacactn ggggggccgnt 540
actagnggga tcccaagctc gggncccaaa c                            571

<210> 346
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 15, 21
<223> n = A,T,C or G

<400> 346
ggcggccngg caggnccatt nacagtatgg tatttctgaa tgacaatctt atccacggag 60
tcatggtcgt caaaggttac aaaggcaaag ccccttttct tgccactgcc tcggtcagtc 120
atgatttcaa tcacttcaat ttttccatac tgttcaaaat aatctcttag gtgatgttct 180
tcagtgtctt ctttaatgcc accaacaaat atcttttca cagttaagtg ggcacctggt 240
ctttgagaat cttctctgga gacagctctc tttggttcca caactcttcc atccaccttg 300
tgtggccttg cattcatagc tgcatccacc tcctccacag tggcatatgt gacaaaccca 360
aagcccctgg agcgcttggt gtttggatct ctcattacca cacagtccgt gagcgttccc 420
cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa ccctccaatg 480
aagagcttcc tcag                                              494

<210> 347
<211> 501
<212> DNA
<213> Homo sapiens

<400> 347
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
```

```
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atattttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaacacc cttgatcatg ttctgtacat 420
gactacaaat agtccgaacg gtagccagtt cctttctgtt accccaccat ttgtcaaccc 480
ggagcctctt ttttttcttt c                                          501
```

```
<210> 348
<211> 304
<212> DNA
<213> Homo sapiens
```

```
<400> 348
ctgtagccga gagtcaccag gtccccacag ggtgtcagag agggtgtgga gctgcttagc 60
actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcggtgt 120
agtcagagac ccctcatatt ggaggtagcg gctgaagtca gagggcagga gtgtagatat 180
gtccagtcct gggacctgag tctctgagcc ttcctcagcg atttcttcca agcgagacag 240
caactgctca taggcactgt tttcttccgg gccctcctcc agaaaggcgg ccaacacggc 300
cagg                                                            304
```

```
<210> 349
<211> 511
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 458, 494, 500
<223> n = A,T,C or G
```

```
<400> 349
gctatgcatc tgaacaagtg ggtctctccc ttgagcacca ggagtgggtg ccagccggcc 60
ccgaggattc ccagcacccc acctatggtc ttgccagcat aggcttgcta gttccttctt 120
ggtcagaggt agctgcagag gggggaggcc aagggtttgg tctaagctgt gccctgccac 180
ctggcaggag gcccactcac tgcccaagtc atggcaacag gctggagcag cccaggagat 240
gggcctaaaa tgttctggat cccttgggtc ctagtgttat gttccagtct gcccacctgt 300
gctcaggatg cagccctggg atccagcacc catggaagct tctgctggga tggtgtcacc 360
tatgggtttt gaaccagtgt ggtatggtcc ttgggagctc tgctctgagc ttgccacact 420
gctgagagca cccacttgtc ctgaccaggg tctcagtngg tcctgacccc caatgtgggc 480
aggggcttgg gcangagggn ggggtctgc t                                511
```

```
<210> 350
<211> 536
<212> DNA
<213> Homo sapiens
```

```
<400> 350
ctgtaacaag tgaggggtgc aactgaaggt acagcatttg cctgcaggcc aagcggtctc 60
tggttcaaat ccatgtgcct cccacccccc ttcagttttc tacttattga acaaaagcct 120
tttcacctcg ggtctattat actggaatct tcctgcaagg agagaagaga ggatagacag 180
catagagctt tgccaggaag cctctctagt ttcttgtagg ccccagtgaa cttctccagg 240
cgactctgtc ccctcattaa cccttatcct cagagccttg aaatgggccc aattgtccca 300
tagaactgat gtttatggtt tttcttgaat aaacctagaa attgaccctc tcagtcttga 360
aacccaagga gaaatttaca tttatgtcat ctgaattcct ttctcaggaa accagccagc 420
aatcctccca gacggtatca agaaactgaa atttaccaga tccccacatc tggaaagtga 480
```

```
gaagccagac ccctcaccca tcatgattcc ccaggtgacc acctgctgcc tgttgg      536
```

```
<210> 351
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 214, 216, 312, 345, 351, 358
<223> n = A,T,C or G

<400> 351
ncctttatac acatatgtct acacataggg atttggatga tctcgggatc ccacatcctc 60
gctgtcccct gtcccccgc aacatccccc accaatact ttctgaagtt ttctagtccc 120
tccttttgt ttgtgctcct taaagcccag ccccatgcct gactttggtt cccagtgagc 180
attgtacatt tgtggatatt aaatctttgg caangncatt tacctgggct ggaataggc 240
tcttggctga ttcttttcc taaacaccca cccaatggga gaggctgata ctcaacatgc 300
aaaccttgtg tnttatttct ccaggcgaag ggatgttgga agacnttctg naaggggngg 360
ggtg                                                             364
```

```
<210> 352
<211> 396
<212> DNA
<213> Homo sapiens

<400> 352
aaatatcaca agtaggtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttccttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat gtatttttca cccaagaaat 300
ttcggatttc aacaagagac ccattctcct ggataacaac gttgatgggg aagtgagcat 360
acacagacct catcttgtaa cggaagccca gtgtaa                          396
```

```
<210> 353
<211> 230
<212> DNA
<213> Homo sapiens

<400> 353
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctcctgttca atcgtttctt tggaaggcag tggattttc tcttgcgtct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg             230
```

```
<210> 354
<211> 289
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
```

<223> n = A,T,C or G

<400> 354
naaagcaaat acaaaacaga acagaggatt caaaccgcaa gtatgggaga tttaggccct 60
gcagaggcag accattcctt agtatctcac aaagcagagt aatactggag gcagagtagg 120
gggtggttgg agagcagtta gtacaaagag gcagaacagt gtctggttta cttggcatac 180
acagaatctg cactgccggt tccagaactg caaagttggt gaactacagg agatgtgggt 240
atttagactc caaagtttat actgagctca gtgcctggga ccgctccag 289

<210> 355
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 538, 595, 598, 602, 614, 635, 645
<223> n = A,T,C or G

<400> 355
naaacatgga taaaagtatt acatgggtcc actgttaaaa cagacaacat gtggcaaatt 60
aattctggta tcatgttttc caacaaagct tagaaaataa aggtgttgag gtggctttgg 120
actaagtttta atagtcatct cctctgctga caacttcttt acatgttgga cgcaacagga 180
tggtatgttc aaattgcgct gtatatgatc ctttaatgtc acataatggt ggatatggat 240
ctacaatgcc caagtcacac agattcttca gagccatcaa gtatttactt tctcccaagc 300
gatccagcca tctgcggcag aaggcaaggg ttccaaagtt ttcattgatg acatttaaca 360
agtgttttgt tcttggaagc cttattggca catgtccaac atcaaaattt ttcatgtaat 420
gtgaacattc catatcatca tgaacaacac cttttcctgt actaccaaat gtttcaattg 480
catatacttc tccttcctcc attcttgttg cctccctcc tttcacaatc ggcactgntt 540
ttccagcatg tattctatat tgcccaattg aatgtccatt tagattacgg gattnggntt 600
cncttgatat gtcnttccca tctatttcaa cttcntagga ctccntt 647

<210> 356
<211> 331
<212> DNA
<213> Homo sapiens

<400> 356
gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggcgg cggaaaatag cctttgccat cactgccatt 120
aagggtgtgg gccgaagata tgctcatgtg gtgttgagga aagcagacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aaatacagcc aggtcctagc caatggtctg g 331

<210> 357
<211> 336
<212> DNA
<213> Homo sapiens

<400> 357
ggcaggtcca acatgaggaa cagcaagctg aaggacatcc ggaacgcctg gaagcacagc 60
cggatgttct ttggcaaaaa caaggtgatg atggtggcct tgggtcggag cccatctgat 120
gaatacaaag acaacctgca ccaggtcagc aaaaggttga ggggtgaggt gggtctcctg 180

```
ttcaccaacc gcacaaagga ggaggtgaat gagtggttca cgaaatacac agaaatggac 240
tacgcccgag ctggtaacaa agcagctttc actgtgagcc tggatccagg gcccctggag 300
cagttccccc actccatgga gccacagctc aggcag                             336
```

<210> 358
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

<400> 358
```
aaaggtccaa aagcctgcca acccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgta ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat accCctgaaa aagtgatgcc tcaaggtctt gtcatctctt ttgctatgag 240
aatgctttac atgattgagc aagtgcatga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcatgctct 540
ttggcactta catgaaagtg aaaaaatgaa gganggagaa tgtaagcctg aaggtctttt 600
ttagaaaggc ttcctcattt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct                                                           668
```

<210> 359
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 581, 587, 647
<223> n = A,T,C or G

<400> 359
```
caggccgtag gaggaagatg gcggtggagt cgcgcgttac ccaggaggaa attaagaagg 60
agccagagaa accgatcgac cgcgagaaga catgcccact gttgctacgg gtcttcacca 120
ccaataacgg ccgccaccac cgaatggacg agttctcccg gggaaatgta ccgtccagcg 180
agttgcagat ctacacttgg atggatgcaa ctttgaaaga actgacaagc ttagtaaaag 240
aagtctaccc agaagctaga aagaagggca ctcacttcaa ttttgcaatc gttttttacag 300
atgttaaaag acctggctat cgagttaagg agattggcag caccatgtct ggcagaaagg 360
ggactgatga ttccatgacc ctgcagtcgc agaagttcca gataggagat tacttggaca 420
tagcaattac ccctccaaat cgggcaccac ctccttcagg gcgcatgaga ccatattaaa 480
ttctatttac tatttgttga atttattttt ccgtcagtta tgtaaaataa acatactctt 540
cttcctcccc tgattattgc cattaagcct ttacctgccc nggcggnccg ctcgaaaggg 600
cgaattccag cacacttggc cggccgttac tagtggatcc gagctcnt            648
```

<210> 360
<211> 670
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 492, 540, 557, 565, 567, 586, 593, 599, 601, 618, 621, 625,
662
<223> n = A,T,C or G

<400> 360
ctgacattta ttattttggt ttcattttcc tttttgcgtc tttatgtttc tttcgacaat 60
ccatacgcag gttggttgtt ctggcctccc aagagttcct gctcatatta cttcctactc 120
ctctccagaa taagtcagaa ccttgaagtc gttcatcatt cttagagaaa aagaaaaatc 180
tagtggtctc tttctcaagt aatgatgctt ctctgaaaag aaagggacaa aggagagaga 240
aaaataggta ttggttggtt taatttcaat atttaagaag aaatatttac attcaaaaca 300
taaatacact atttcttaaa tatatctttt ttcatttccc cctagaatcc aggtgagcga 360
gactcttaaa tatatctgct ttgtattttg tgcattttgc cctgagttaa aacaaccctc 420
cctctaacat tcttctatct gaagctttga taatgaagac ttgtttaagt agaacctcta 480
tctttcctgt gnttggttgc tgatactctc actcccacca ttgctacccc attttgccan 540
tgcctcccat ggggtangca cccangncaa acctgcaaca tcctgntttc ccngaccang 600
nggacttcca cttggcangg ngccnccct tccccctttt ttcttatgcc cccaaaacct 660
tntctttccc 670

<210> 361
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 474
<223> n = A,T,C or G

<400> 361
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcctttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catnagggaa 480
tgtggaaatg acttttgctg aattctcaag ccttaccaaa cacatcagga aatctcactt 540
gggagagaaa acccgtatga atgtag 566

<210> 362
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 553, 560, 603, 604
<223> n = A,T,C or G

<400> 362
aaaatacttt atttagccaa atggtttctt gaatcttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaac caacctggga aaaatatcag tggtgagggt 180
tcagtgtttg tatatggagg atggtgcaaa ctgaattatt cccataaagc tgcttggtaa 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtagggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca ccctgtggag gaactcgagc ctactccaga tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agacccagaa ggaagcacct tgtaagcagg 480
aaaaataaat ttgtgctgaa ataatggatg taaaatactt ctccctgtcc actattgtca 540
aaacacctgc ccngggcggn cgctcaaggg cgaaattcca gcccactggg cgggcgttac 600
ttnngggatc cc                                                 612

<210> 363
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 127, 466, 493, 527, 528, 529, 545, 549, 553, 556, 580, 581,
596, 600
<223> n = A,T,C or G

<400> 363
cctgggcttc agtataagct cctatctcag tctggccccg ttcatgcccc agtcttcaca 60
atgtctgtag atgtggatgg cacaacatat gaagcctcag gaccatccaa gaaaacagca 120
aaacttnacg tagcggtgaa ggtattgcag gcaatgggat atccaacagg ctttgatgca 180
gatattgaat gtatgagttc cgatgaaaaa tcagataatg aaagtaaaaa tgaaacagtg 240
tcttcaaact caagcaataa tactggaaat tctacaactg aaacctccag taccttagag 300
gtaagaactc agggccctat cctcacagca agtggcaaaa accctgtaat ggagctcaat 360
gaaaaaagaa gaggtctcaa gtatgaactc atctcagaga ctggtggaag ccatgacaag 420
cgctttgtaa tggaggtaga agtagatgga cagaaattca gaggcngcag gtccaaataa 480
gaaagtggca aangcgagtg cagctttagc tgccttggag aaactgnnnt ctggacccca 540
atgcnggcna atnatnagaa aaaagaagat tattccttcn nggcaaaagg gcgttngggn 600
aatacca                                                       607

<210> 364
<211> 399
<212> DNA
<213> Homo sapiens

<400> 364
ccagctcccc aatcaatctc cagtactcat tgaacttgag ctccgagtcc tgattcacat 60
ccaagctctt catcttctca tcaagagagc ccacatcctt gagcagatgg ggcaactgct 120
gggtaaccag ctctttgaac tcgttgacgc tgaggctatc cttccggccc tcctgccttg 180
caaaggtgaa gaaggtggtg accacggtct caatggactc ctctagctct gtcagtggtt 240
ctgctgccat taggaccctg aggccaaagc tgatgtcctc aaggggctag ctgacctttg 300
tcagggctga cccggcaagg agatggggta gagtgagctg gagcctcagg gctgaggttt 360
ataagcagcg gggaaggagg agagagctgc ttccaagcc                    399

<210> 365
<211> 529
<212> DNA

<213> Homo sapiens

<400> 365
ccacgtccat cggagtgtcc ttctcggtgg gcgacggggt gcctgaggct gagaagaacg 60
caggggagcc cgagaacacc tatattctgc ggcctgtttt ccagcagagg ttcaggccct 120
ctgtggttaa agactgtatc catgctgtgc tcaaggagga actggcaaat gctgaatatt 180
ctccagaaga aatgcctcag cttacaaaac atttatcaga aaacattaaa gataaattaa 240
aagaaatggg atttgaccga tacaaaatgg tggtgcaagt agtgattgga gaacaaagag 300
gtgaaggagt attcatggct tctcgctgtt tctgggatgc tgacactgac aactatactc 360
atgatgtttt catgaatgac agtttattct gcgttgtagc agcatttggc tgtttctact 420
actgaatgaa tctttgaaaa gctggtaaaa gacatgacca tgaagaaatc tgaacttttt 480
aatattgtta aatatcttga caaaataaag atgttagtag ttcgaaaaa 529

<210> 366
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 57, 401, 403, 408, 411, 425, 429, 434, 441
<223> n = A,T,C or G

<400> 366
aaagacaaaa aaattctttt atgtacaata tcttgtctag agtctagcaa atatagnacc 60
tttcattgca ggatttctgc ttaatataac aagcaaaaac aaacaactga aaaaatataa 120
accaaagcaa accaaacccc ccgctcaact acaaatgtca atattgaatg aagcattaaa 180
agacaaacat aaagtaactt cagcttttat ctagcaatgc agaatgaata ctaaaattag 240
tggcaaaaaa acaaacaaca aacaacaaac aaaacaaaac aaacaaacaa caaaatccca 300
ccaatcttca tgggtaaact ttcctgctca gggatgtaag ctgactctag accatctcgc 360
ggttcctgcg gatagcacag cacacgatca tactgaagat nangccanat ntcatgacca 420
ccgcnatgnc gatncccact nccccggatg atg 453

<210> 367
<211> 502
<212> DNA
<213> Homo sapiens

<400> 367
ccatccgcaa cgacgaggag ctcaacaaac tgctaggccg ggtgaccatt gctcagggcg 60
gcgtccttcc taacatccag gccgtgcttc tgcctaagaa gaccgagagt caccacaagg 120
ccaagggcaa gtgatttgac aggtatctga gctcccggaa acgctatcaa acccaaaggc 180
tcttttcaga gcccccctac cgtttcaaag gaagagctaa cctcactgct tgtaggtaga 240
aggaaaaaag gcactaaggt tgcaaaagct tctcatttca gagagatgcc aggatcctaa 300
ctgcctgcca aacttaccaa ttctaaggaa taagtggatg gatggcatta ctgattccta 360
cattactgat tgattctgca tccgcaaatt gttttattaa aaacattcta catcatgtgt 420
ggggagataa ggaggataaa atgaagagaa agaatattat tgaggggaag ttcttctgaa 480
tacaaaatgt gtttaatttt tt 502

<210> 368
<211> 695
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 1, 525, 532, 533, 553, 573, 585, 599, 602, 618, 645, 646,
655, 657, 669, 677, 678, 688
<223> n = A,T,C or G

<400> 368
naggagagtc agaaacaaac ttatagtgat gcgttggaag gttaatcgaa accatcctta 60
cccctattta atgtagttta ccttgatttt tatctgatat taacaatacc atatagcttg 120
cttttatta gcatttcctg atattccttt gtccatattt ctacttataa cctgttgcta 180
ttaatggttt tagatgtatc tcttgttatc tgcatctcat tgtttattgt attttgaacc 240
aatctacaag tctctgtctt ttaataaaag aactttacac atttgtaaaa aagaggttct 300
tggtaagata taaaatggaa aaaggctaag taatatgtga atatcatatt tttgaaaggt 360
aaaaagtaca tttgtatatt acatatatgg acataacttg tgaaggatga aagaaagtac 420
agcctctcgg tggtgggatt atgaatgatt tttctccttt tgcttgtttg tattttctat 480
attcctaaaa ttaacacaca ttattattgc tagaataata aaagnttta tnnaaaaaaa 540
acctttgggc cgngacccc ccttaagggg gcnaaatttc ccaancacca ccttgggcng 600
gnccggtttc cctaaggngg ggaatccccc gaagcctttc ggggnnaccc caaangncct 660
ttgggggcng ttaaaannca ttgggggncc attta                           695

<210> 369
<211> 473
<212> DNA
<213> Homo sapiens

<400> 369
cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg tccgcctgct 60
actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa agagaaaatc 120
agttcgtggt tgcattgtgg atgcaaatct gagcgttctc aacttggtta ttgtaaaaaa 180
aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc tgggccccaa 240
aagagctagc agaatccgca aactttcaa tctctctaaa gaagatgatg tccgccagta 300
tgttgtaaga aagcccttaa ataaagaagg taagaaacct aggaccaaag cacccaagat 360
tcagcgtctt gttactccac gtgtcctgca gcacaaacgg cggcgtattg ctctgaagaa 420
gcagcgtacc aagaaaaata aagaagaggc tgcagaatat gctaaacttt tgg         473

<210> 370
<211> 289
<212> DNA
<213> Homo sapiens

<400> 370
ggcatcacga accatcctgc ttcaagggag cctgcgggtc tgactgcagc ttcagctatg 60
acctggagtt cccgggcttc tctgcggggc accagtctgt atgctccatt ttagataata 120
aaaattggca tattctgggg tgggcaggat acggggttca cctgcagatg aacaggcag 180
gaaaagcttg atggggtgtc gggggaatct ggttggcctt aaagggaatt tggggtcctg 240
ttcctgaatt tggtaggcag catgcatgta aggcttgaag tgggtttgg              289

<210> 371
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> 43, 56, 57, 64, 69, 74, 126, 159, 162, 262, 280, 286, 354,
365, 382, 391, 402, 405, 419, 424, 433, 440, 448, 457
<223> n = A,T,C or G

<400> 371
gggggcaggt cctaagttat aatccttcct cctcacagcc ccntttcccc aagggnnttt 60
accnccagng cagntttcta gctgtaaaca atgccaccag catgagtgat agtgtccctg 120
tagggngctc ccacttctca aggaccaaat acaccttanc anaggccaag gtttcctgac 180
aaagtgaatg ggggcaaaca gaaaatgcac aggtgcaaac atggaataga atggtagttg 240
atgattggtc tgaggtgcct anaaactgag ttaaatctan ctctanccat gaatgaagaa 300
aaccttttct tattttctat ttggagcctc ttgacaaaaa aaatcttgag aggntcctga 360
ccaanggacc tgagggattt cnggggtttt ntttcccta anggnaatcg gaattggcnt 420
gccntacctt aanctaaatn aaaaatancc cttttcncat aaataa 466


<210> 372
<211> 280
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 42, 44
<223> n = A,T,C or G


<400> 372
aaatcaactg atttgtatgg aaaatgacac ggcaaataaa tnanacctat gttaaagcga 60
aggtcagcta aatatccaaa cttaaggata taatgggcac cgataaacag attccacagt 120
cttctttaat agagtatctt tcaaacacaa ctttgctaga aactggtcca aagatcgaca 180
gcacgtggga atgcttaaca ggggtggtga tcaggacac gtttcctggg tgccgctttg 240
atgatgttgt ccacacgcag aatcacctct gctgcttcag 280


<210> 373
<211> 721
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 313, 336, 441, 453, 464, 466, 487, 491, 502, 512, 513, 514,
532, 533, 540, 563, 568, 578, 583, 586, 588, 597, 610, 613,
616, 620, 625, 645, 646, 653, 674, 703, 720
<223> n = A,T,C or G


<400> 373
ccaattaaaa tatatagcaa taacagtatc attaatactg gaacaataaa tgatacaaat 60
taatcctaaa gcatacagaa aaaaacatca tatgaaagtt actttctagg ctcagttatt 120
ctaaacttgg ctaaaatatg caacttgaat tctaatgcat ccttctcatt tgaactaaag 180
gattattctg cggacacaaa tttgttccta aaatttcaat caaatggggt ctctgcatat 240
cccacaactg cttcctaatg acttcctacc ctccagttac acataatcat aatgtctaaa 300
caacacagtt tanggattcc aaaattatta agggcntttc aagtttcttc aatcttctaa 360
catgccagga tcttcttttc aaaaatgggg aaaaataaat tttttggatt tgaaattttc 420
caaaaggaaa agaataattg naaaattttg gtnttaaaga atcncncccc ttaattccct 480
ttttaantaa ngaatccacc antttttac cnnnaaatta attttctttt tnnaattttn 540
gaaaaggaaa tcccccttttt tcnaaacnct ttgaaaanaa ggnctncnca tggtaanttt 600
```

```
tcatttgccn atntcnaaan gaggngttga aaaccctggg aaagnntaag aanccccggg 660
cctgccgggg gccntaaggg aatccccacc ggggcgtcta ggnaccatcg gccactgggn 720
a                                                                721
```

<210> 374
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 36, 42, 58, 64, 72, 92, 96, 98, 103, 107, 119, 143, 155,
166, 169
<223> n = A,T,C or G

<400> 374
```
cttccaactt attaaagggg ggcccggaaa aatttngggg gncgcccctt ccttaagnaa 60
tggnccaatt gnccttcggg aagaccgggc cnccgncncc agnttgntgg gaattgggna 120
ttattctttg cccaagaaaa atntccgccc ttttnaggcc ggcggncgng ggggggg    178
```

<210> 375
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527, 534, 538, 597, 602, 618, 624, 636, 639
<223> n = A,T,C or G

<400> 375
```
gggcaggtcc agacaatgaa tgagaagcaa ctcttccatg ggacagatgc cggctccgtg 60
ccacacgtca atcgaaatgg ctttaaccgc agctatgccg gaaagaatgc tgtggcatat 120
ggaaagggaa cctattttgc tgtcaatgcc aattattctg ccaatgatac gtactccaga 180
ccagatgcaa atgggagaaa gcatgtgtat tatgtgcgag tacttactgg aatctataca 240
catggaaatc attcattaat tgtgcctcct tcaaagaacc ctcaaaatcc tactgacctg 300
tatgacactg tcacagataa tgtgcaccat ccaagtttat ttgtggcatt ttatgactac 360
caagcatacc cagagtacct tattacgttt agaaaataac actttggatc cttcccacaa 420
aattattctc catttgacat atctagttgt aaaacaagtt ttagcttttt ttttaattcc 480
tcttacagat tttctaatat ccaaggatat tctttgcgct gagcagnttt ttcncttntt 540
ttctaatgga aataactttt atttgaagca aaacttggaa attacctcgg cggaacncct 600
angggaaatc aaccctgngg cgtntaggga ccactnggnc aactgggaa            649
```

<210> 376
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 326
<223> n = A,T,C or G

<400> 376

```
cctgcgaggg ccgaagctaa gctctcacgt ctggccgcct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gtttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg ttttttttgat tccagatgtt 180
taaggaaatc tctgtcctat cactgaccac tgggctaaaa gaataggaag aaacggccat 240
acgtgacaaa aaatacagac tttacaacca gaaaagtcat taaacaaata actactgcaa 300
caaacagcaa gacaaacccg ggaganggcg taggatcata tttccagagt tgctacatta 360
taatattcta aacacccagt ttacctcggc cgcaacc                          397
```

<210> 377
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 33, 35, 41, 114
<223> n = A,T,C or G

```
<400> 377
aaacttgatc caacctcttt gcntcttaca aantnaaaca nctaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacnattcgc 120
ctgcttgctt ctcctgttca atcgtttctt tggaaggcag tggatttttc tcttgcgtct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
acatggttgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
c                                                                 301
```

<210> 378
<211> 734
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359, 373, 377, 380, 389, 417, 426, 432, 435, 438, 500, 506,
513, 517, 520, 528, 532, 542, 545, 558, 574, 581, 591, 603,
610, 611, 620, 621, 622, 635, 645, 651, 652, 661, 667, 678,
679, 685, 690, 704, 709, 720, 722, 727
<223> n = A,T,C or G

```
<400> 378
gggcaggtcc acagaagttg ctgctgacgc tctgggtgaa gaatggaagg gttatgtggt 60
ccgaatcagt ggtgggaacg acaaacaagg tttccccatg aagcagggtg tcttgaccca 120
tggccgtgtc cgcctgctac tgagtaaggg gcattcctgt tacagaccaa ggagaactgg 180
agaaagaaag agaaaatcag ttcgtggttg cattgtggat gcaaatctga gcgttctcaa 240
cttggttatt gtaaaaaaag gagagaagga tattcctgga ctgactgata ctacagtgcc 300
tcgccgcctg ggccccaaaa gagctagcag aatcccaaac ttttcaatct ttcttaaana 360
agatgatggt ccnccnttn tgttgtaana aaacccctta aattaaagaa agggaanaaa 420
acctangacc anaanccncc ccaagaattc agcgtctttg tttacttccc ccttgttcct 480
tgccagcaca aaaaccgggn gggcgntatt tgnctcnttn aaaaaaaancc anccgtcccc 540
cnggnaaaaa attaacgnaa agaaggcttg ccanaaatat ngcttaaaac ntttttggga 600
ccntcggccn nggaaccacn nnttaagggc gaaanttcca acccnctttg nngggccgtt 660
ncttaanggg aatcccannc ttcgngtacn ccaactttgg cggntaaanc ttggggcaan 720
anctctnttc cgcg                                                   734
```

```
<210> 379
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 117, 146, 175, 191, 194, 215, 221, 226, 264, 279, 283, 288,
290, 295, 302, 314, 320, 325, 326, 339, 352, 379, 383, 401,
407, 409, 419, 425, 429, 432, 437
<223> n = A,T,C or G

<400> 379
aaataatggt tgtataaaat tgcagcagca agaaacccaa aggagaatag ctctagggga 60
gggaggtgga tgagtatgca tggggagag gctcttttgt gaccaggttg ggtctgnagc 120
cctccccact gtccataaca cctccnaccc ctacatcttt ttccatatac caacnccttg 180
gagatataat ncanaagtga agtgatcagg ctgangatta nggcangtgt ctggaatatg 240
atcaggagtg ggaggggagt gacntacctc acaggcaang canaactncn ccaangctat 300
angtttcctt cccnccccctn acttnnaatc ctcagggcng accctgactc cncctggctt 360
gccccttccc ctacccccnt tcnccctttt ttttttccct ncccggncng cccttccana 420
gggcnaatnc cngcccnctt g 441

<210> 380
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 392, 469, 519, 527, 533, 555, 568, 579, 581
<223> n = A,T,C or G

<400> 380
gagcggccgn gcgggcaggt aaagtaatag ctatcagtaa tagctgagtg tttttttcccc 60
taatattttc cttgtgcaat tcagacttaa gcatcgagtt tttaccatct tccactttaa 120
gctaagttat gatacctatt ccattcacaa ttggtgttct ttttaaggtt tgcaaatttc 180
agccaatttt gtagctaaga ttgttctgat cagctcaaaa agatttggct tagtgttttc 240
attgcaaatt ataattgctg tagagccaca cacaactttt gaacttttaa ttataagtgt 300
tatggctaaa gttatttact gaaaatttca gtaaaatgtg tgaatgtttc tttatgtatt 360
aacctcatag cagtaaatga ctttgctgtg gntaaatttt ctaaggcatc ttaatagact 420
tctgttgaaa cttcagggta acattttata gtttgactaa atttaccgng attaaaaatg 480
aatttatgca tagacagaat ttacctcggc cgcaccacnc taaggcnatt ccncacactg 540
ggcggccgta ctagnggatc caactcgnac caagctggng naatcatggc atag 594

<210> 381
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614
<223> n = A,T,C or G
```

<400> 381
gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60
agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaaggggccc tccagaacaa 120
tgatgggctt tatgatcctg actgcgatga gagcgggctc tttaaggcca agcagtgcaa 180
cggcacctcc atgtgctggt gtgtgaacac tgctggggtc agaagaacag acaaggacac 240
tgaaataacc tgctctgagc gagtgagaac ctactggatc atcattgaac taaaacataa 300
agcaagagaa aaaccttatg atagtaaaag tttgcggact gcacttcana agggagatca 360
caccgcgtta tcaactggat ccaaaattta tcacgagtat tttgnatgan aataatgtta 420
tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480
tgtggcttat attttttgaaa aanatgttaa angngaatcc ttgtttcatt ctaaaaaaaa 540
tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600
aatttattat tgcngggatg aaaaaaa                                    627

<210> 382
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 342, 393, 410, 413, 463, 493, 495, 499, 523, 548
<223> n = A,T,C or G

<400> 382
gtggagggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgccg ctttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcactgcctt tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300
tgtttacact ctgtactctc caatgggtaa tatttatcat anaaatctaa tcatattctt 360
catcttgaat ccaacttctg tacagtagca tancggggtt gcttgctgan acntgaaggg 420
ttacgtcctt gcccatgcag gtctccaaaa gagtggaaaa atncaagata aaaatggaaa 480
ggacctcggc gcnancacnc taagggcgaa ttccaccact tgnggccgtt actagggatc 540
caactcgnac caaactggcg aatatggcat actg                           574

<210> 383
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 343, 394, 408, 410, 423, 450, 507, 518, 567, 586, 605, 610,
614, 616, 636, 638, 649, 651, 657, 659, 667, 681, 684, 694,
702, 704
<223> n = A,T,C or G

<400> 383
aaattatttc actgaagctg agattattag tgatacaaag ttaaaatttc aatatttaat 60
ttctctatat attattaata ttaaattgtt ttttacttat aaattcatgt tctcatctga 120
tttaatatta aatttgtata ggtgggcgtt cttaccatt ttgcacaagt tttgttttt 180
ctgaaatact taattgtgca ggttgtaaaa aagattagtg cattttcatt ttaaggatgc 240
tttgctcctt aaattgttcg acagaaatga cttttaggg aaagtagttt ttttggagct 300
actaacttgt atttattatt gtacatgcat aaccaggggt ggngagggca ctaatcttgt 360

```
aggaaacact tacttggagg ttttattttg aacnttttcc tatagggntn acctttacct 420
gcntagaatt aacccttagg aaccagtggn cattgaaaat ctgggggttg aaagggagaa 480
ataccagttt tttattgaag aaacccntta aaagttcnaa aataggaaaa tcattttctg 540
gaagaacaaa aagcccgaag ggaattnttg gtcaagtggc ccaaanaaat gggaaagaaa 600
ataanggggn gggnanttta acccttgggg ccaagntntt tggaaaaana naggccntna 660
aaaaacnggg gaacctacct nttnattggg gaanaaagtt tntncttttt tttaatcca 719
```

<210> 384
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 46, 193, 282, 313, 318, 332, 341, 353, 357, 359, 378, 386,
424, 450, 452, 469, 494, 502, 506
<223> n = A,T,C or G

<400> 384
```
tttttttatg acactggatt tctttaatta aaaaaaaaat gccaanaaac attatttata 60
cagggttgat tgctttcatg ttgttattct gtaccctata gtagcctcca tgaaaatctg 120
gtatttcttg ctgcttggaa ctactttgca gtgattactt ggttgcagtc caagtactct 180
cgtttagtct gancctggag atgttctaaa cttgcttctc ccacctctga gattaggaca 240
ggaaaaatgt gaaatttccc aattacagga ttatacggcc cntcacatca tttgtggaaa 300
ttggggtgac tgnatacngg gattgggcta angactgtgg ncttattttt ccncatncng 360
gcaaaaaggc ctatccanaa atccanttcc tttggaaagg aaaaattggt cctccttgtc 420
ccanaagggg gttcccaaaa aaaggggaan gnccctttta ccctttgcng ggggggggg 480
gaaccctgaa aggncttttc antccntttg cgta                            514
```

<210> 385
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 166, 330, 357, 367, 374, 389, 396, 405, 406, 419, 420, 421,
437
<223> n = A,T,C or G

<400> 385
```
gccgccgctt gtgctgcagc catgtctcta gtgatccctg aaaagttcca gcatattttg 60
cgagtactca acaccaacat cgatgggcgg cggaaaatag cctttgccat cactgccatt 120
aagggtgtgg gccgaagata tgctcatgtg gtgttgagga aagcanacat tgacctcacc 180
aagagggcgg gagaactcac tgaggatgag gtggaacgtg tgatcaccat tatgcagaat 240
ccacgccagt acaagatccc agactggttc ttgaacagac agaaggatgt aaaggatgga 300
aaatcaccag gtcctaccaa tggtctggan cttgcccggg cggccgttca aaaggcnaat 360
tccaccnact tggngggccg ttacttagng gatccnaact tcggnnccaa actttggcnn 420
naatcattgg gcattanctt gttt                                       444
```

<210> 386
<211> 348
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 328
<223> n = A,T,C or G

<400> 386
ccaggatggt ctcaatctcg acctcgtgat ccgcccacct tggcctccca aagtgttggg 60
attacaggcg tgactcacca tgcccagcca cttagttttt tcttattccc acctttctat 120
cccatagaac actctttttt atcttccctg aaccatattg atgagataaa tagggctggg 180
ggctgggccc cgctggtcac tcaacagagt atttcccttg gccgagatgg aagttttgtc 240
ccaatagatg agctgctgag tatcaacaag gtgacatttt tctgctgccc atttgtgtcc 300
tggagacggt ggtaccctga aggcagangc cagaccttcc ccggcggg           348


<210> 387
<211> 139
<212> DNA
<213> Homo sapiens


<400> 387
tcgaaatgca gaacgacgcc ggcgagttcg tggacctgta cgtgccgcgg aaatgctccg 60
ctagcaatcg catcatcggt gccaaggacc acgcatccat ccagatgaac gtggccgagg 120
ttgacaaggt cacaggcag                                            139


<210> 388
<211> 715
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 34, 36, 43, 49, 70, 125, 128, 142, 192, 208, 235, 267, 277,
301, 338, 374, 375, 387, 481, 482, 492, 505, 509, 517, 526,
547, 576, 577, 580, 594, 606, 607, 611, 639, 659, 669, 673,
682, 690, 691, 696
<223> n = A,T,C or G


<400> 388
ggcgatgtta caaattaatt ttaacggctt acanantcat ttnaagaant gtggtgggaa 60
atacaatcan attttggcat ttcgacctac aggatggaca cactctaaca agttcactag 120
aatancanat gttattcccc anaccaaagg aaacatttca atatatggaa ttccttacag 180
tgaacacagc anctacctag aaatgaancg ctttgtccag tggctgaagc cccanaaaat 240
catacctact gtaaatgtgg gcacctngga aatctangag cacaatggag aaatatttta 300
nagagtggaa attggaaact ggatattgat gatacctncc aggattcaag ataagttaaa 360
ttcctttgga tgtnncttgt tacttantta aaatctatta aaaatgtgaa aatacacttt 420
tgtgggggaa aaccctcatt gaaaaattgt tcaaaatact ttatttttct catttatgtt 480
nnaaccacca tnttcctggg ggttnaatnc ctttcancct tcatcnaagg atactgaact 540
tgggtcnccc ttgggacctt aatttctttg ccccctnnccn tccttgggca gttnttttct 600
tcttcnnccc nttcaaaaag gaaacaaagc gcgattccng acccaacggt taatgatant 660
aaacaaagnc ttnaacctttt tnttttaacn nttttnggtt ttcctcccgg cgggc     715


<210> 389
<211> 573
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 25, 40, 49, 72, 185, 201, 269, 315, 380, 384, 405, 412, 430,
444, 473, 481, 500, 531, 538, 543, 546, 550, 556, 557, 563
<223> n = A,T,C or G

<400> 389
acctgttaat ataagggatt tgtantatca gcttgttgan caatgactnt gaatctagtt 60
ttcagtgatc anaagcagca gttatttgag tgtatgaatg gaatgatgat cactgtgcta 120
taatgtactg aaaccaccat attacagaaa tatttactac atattttcca tctgtagttt 180
ctcanaaggg ctatggatta ntttgaactg tcaaatcctt gcatacttct gtgacacccc 240
tgcccatttt ctgtctttaa ttaaccaang tgttaggtgt gactgtcaca actgttatgt 300
tttccagtaa actanaagta tgatatttga taattatatt tggatttccc ccctaaagga 360
atggtgaatc ctcaaaaatn aaangaaagg ccttcattga aaatnggttt gnataaaattg 420
cattgtgacn cattttacct gggnagtccc ttaccttttt aaattttggg ttnttccaaa 480
naaccctaaa taaattttgn ttaaatccaa aaaaaaaaaa aaaaaaaaaa nttttaancc 540
ccncgncccn ccccnnggg ggnatccccc ccc 573

<210> 390
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 132, 272, 304, 328
<223> n = A,T,C or G

<400> 390
ctgaggttgt cantacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttccaggtc tttgagttgc acgtcaaatc tggggctgat caccccacac ttgtttagcc 120
tgcctgtgag gntcacaaca attttcccag ctctgtggtc atcaatgatt tcaaattcgc 180
caatgtaacc atgcttcatc atcacagtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcgtttg cctctctttt cngcattgtt gatactcttg agagcatctg 300
ccangacatt catgcgcacc attgtggngg ggacctcggc cgcgaaccac 350

<210> 391
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 272, 342, 439, 476, 486, 503, 511, 514, 515, 534, 548
<223> n = A,T,C or G

<400> 391
actaaacgag aaattgacag cccttgaacg gagaatagag tacattgaag ctcgggtgac 60
aaaaggtgag acactcacct agaacagtgc cgtgctgctg ctgggaagtt gctttacaca 120
acacaggcca catgggaaag gccccagcag ccttcagctc cttcctttct ccttaaagag 180
caacagggct tattcttgtt tttctttttt caaaagtgtg gcctttgggc tctgccatct 240
ggggtgtggt gtggtatgtg ggaagaagtc anaggaaccg ttggaaacga cgttaggcat 300

```
tttacctttt cagcaacatt ttatacatct acttgtcaat gnatttgaga cattcacagc 360
caaaagcctg ggactctttg tgaaggtcct cctcacctct atctttcttt ctctctctct 420
caaactttcc ttaaagttnt cattgccttt gccttgcttc tgtgaacaag atttgnctcc 480
tccccnccct tttggtgtga aanggcgggg naannccttg gcaaaaacac ttcntgcccc 540
tggtcatncg                                                       550
```

<210> 392
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 53, 509, 541, 551
<223> n = A,T,C or G

<400> 392
```
agaggcaaca gcattattga gaaaagccct tacagaagag tgtggccgta ggncagctat 60
tcacagtagt gaatcatctt gcagcttgcc atctattctg aatgacaata gtggaataaa 120
ggaagccaaa cctgctgtat ggctcaacag tgttcctaca agggaacaag aagtttcaag 180
tggctgtgga gacaagagca agaaagaaaa tgtggctgca gatatcccaa tcacagaaac 240
agaagcctat cagttgctga agaaggccac ccttcaggat aatacaaatc aaactgaaaa 300
caggtttcaa aagacagatg cttctgtgtc acacttgtca ggtttgaata ttggcagcgg 360
tgcattcgag acaaagacag ctaacaaaat tgcttcggaa gctagttttt catctagtga 420
aggaagtcct ttgtcaaggc atgaaaacaa aaaagaaacc cgggatcaat ttacctgccc 480
ggcggccgct cgaaagggcg aaattcccnc accccttgcg gccgtactta gtggatccga 540
nctccgtacc n                                                     551
```

<210> 393
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 131, 137, 155, 156, 238, 278, 287, 310, 311, 314, 327,
337
<223> n = A,T,C or G

<400> 393
```
ccaacttata tgattttttt ttgtttttgt cgtgtancta tggcactgtc ttatttggaa 60
catttgcaac tagggataat acaacatttt taactctcat ttgacaacct actactaatc 120
acagaccaca ngggtantga ccaaatttat gtggnntttg cactccatag atgcttagcc 180
caatctttct atactcttac gattacttgg gttaacgctt ctgtgaggac cttctggntc 240
ttgagatacc ctaaatattt aagatattta gatatctnga agatagnata ggatatacag 300
attgtaccan ntangaatat aaggagnatg ttaaaangac cagatacctg t         351
```

<210> 394
<211> 224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> 138
<223> n = A,T,C or G

<400> 394
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgtangc ggcttatagt tcttttggct aacaaatcat tttggaaata 180
aagatttttt actacaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 224

<210> 395
<211> 386
<212> DNA
<213> Homo sapiens

<400> 395
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
cttttgcca gcaccaacat tggcctttgc agtcccctg actttcttca ttctgttctt 120
gcgttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccagggaa tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggtcttgtac attttggcta gtttttcccg aatttctgcc ttaggcactg tcgccttccc 360
ggggtgaagg acatcaatga ccattt 386

<210> 396
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 461
<223> n = A,T,C or G

<400> 396
aaaatacttt atttagccaa atggtttctt gaatcttagc tacagagaaa tttttacatt 60
aaagaacatc atgattatca caacaactta cttagcactt gcgtgtacta agtgctgcac 120
taagacattg tagtttccag tgtcttgaac caacctggga aaaatatcag tggtgagggt 180
tcagtgtttg tatatggagg atggtgcaaa ctgaattatt cccataaagc tgcttggtaa 240
ttccagagaa agcacacagc caccttctca ttagaaggag ggtagggata ggtgttatgg 300
tgaaaaactg agatgctgct ggatcccagg ccagaggacc taaagaaata ctctctccat 360
taggagccca ccctgtggag gaactcgagc ctactccata tggggactgg gtaggaacat 420
cagtgccatt tttcttcaga tgaatattgt agaccagaa ngaagcacct tgtaagcagg 480
aaaaataatt tgtgctgaaa taatggatgt aaaatacttt cttccttgcc actattgtca 540
aaa 543

<210> 397
<211> 234
<212> DNA
<213> Homo sapiens

<400> 397
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gcccctcagc 180
```

```
gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttcctt cagg        234
```

<210> 398
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 124, 426, 509
<223> n = A,T,C or G

<400> 398
```
ctgccctacc aaccccaggg cctccagcag ctccagcaag tggtacccga gcaatgccag 60
tatctttggg gggtggcccc tccacagtca tggataccaa gttctcccca cgcagcaaca 120
ccanacccaa aacccgcttt tcttcacgct ctggttgctt cgcattcttt ggcttgatct 180
ttctgaactc atcacaatca cagaggatca aattcatatg ctagtcaaaa gccttaaagg 240
tgccaatgaa gattcggcca tcttgcagga tacatctcat tctatagtca atgtgctgca 300
gcatcttgct actcttgcca acagtcatga ttgctgttcc accaaatcca atgtccacag 360
ttaaaacttg atgcttctga aacctagggg aagctataga taaaggtatg acgcaggttc 420
tcctanaaac aatgcaagct gggcagaagc ttcaaaagag caagatggag cctgggtttt 480
tgctttggaa tcaaaattcc tcgctactnc aatatggctt taaccacctc ttggggctca 540
gctaa                                                             545
```

<210> 399
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133, 402, 419, 470, 479, 486, 498, 527
<223> n = A,T,C or G

<400> 399
```
ctgcaaagta ccacacatag cagaaagaca gaaatttata ctggggggtt ggaagatatg 60
gctactgagt ctgtaattcc atttggaggt tcaaaaaacc attttacat tgctattatt 120
tgtacagacc aangggacct aaattttgaa acagctagac agtgatataa acaaacattt 180
atctctgggg gtagaaaatt aattataata caagaatgaa aatgggcaaa cagtatggaa 240
ggcacccaca cctcctagca cccttggtt ttctgatgga gttctcactt cacacatcag 300
tgcattggat tgcagaaaat attgatattt tatttcatca aaagtgccat ttggtatgcc 360
actattgaaa gcttatcgct gctttttctc cttcagcaaa gnagaagtca atgaagcang 420
gtgtggtagt tacccaaatt cctataaggc actttacggt tttcacctgn ccgggcggnc 480
gttaanggcg aattccanac acttggcggc cgtttctagg ggatccnaac tcgtaccaag 540
cttg                                                              544
```

<210> 400
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 20, 21, 30, 35, 37, 360, 509, 519, 545

```
<223> n = A,T,C or G

<400> 400
cagcgggcgg ccggncaggn ntgaaagaan cccancnaca ttatcctctc catacatttg 60
caattggcat ggaagacagc cccgatttac tggctgctag aaaggtggca gatcatattg 120
gaagtgaaca ttatgaagtc ctttttaact ctgaggaagg cattcacgct ctggatgaag 180
tcatattttc cttggaaact tatgacatta caacagttcg tgcttcagta ggtatgtatt 240
taatttccaa gtatattcgg aagaacacag atagcgtggt gatcttctct ggagaaggat 300
cagatgaact tacgcagggt tacatatatt ttcacaaggc tccttctcct gaaaaagccn 360
aggaggagag tgagaggctt ctgagggaac tctatttgtt tgatgttctc cgcgcagatc 420
gaactactgc tgcccatggg cttgaactga gagtcccatt tctagatcat cgattttctt 480
cctattactt gctctgcccc aaaaatgana attccaaana atgggatgga aaaacatctc 540
ctganaataa cctttgagga t 561

<210> 401
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424
<223> n = A,T,C or G

<400> 401
ccaggagcta agcttgagtc tcctttactg aatttcgttc ttagtgcagg ttacttgtag 60
attctagtct tcacaggctc cctggggctc ttaactagtc acactgggag tcatgaatgt 120
ctttccaata attcagggaa ttctagagat cctcaaactg taaggtctat tcatactcaa 180
cacaaggaaa aaacctcatt aaaattaatg actaatcagg aagcaacgta accaaaagca 240
cagtgaatga aagttttcat ggtaggttca acatgggttt attgctagaa agatccaggg 300
gatagcttta ggtttaactt cggctcacca acgtaacttt ctaatcattt atttcagtaa 360
tagctagaag tgggtctgaa tgttttccca gagtctgata ccgtgttttt ttttgccaga 420
aganaggtct tcaggagact tcattt 446

<210> 402
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 421, 445, 484, 485, 520, 530, 577, 579, 580
<223> n = A,T,C or G

<400> 402
ccaaagcagc cagggaagag tgccctgtgt ttacaccgcc cggaggagag acgctggacc 60
aggtgaaaat gcgtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cggatcaaaa agaacagttt tcccaaggat ctccaagcaa ctgtctggaa acttctttgg 180
cagagatatt tcctttagga aaaaatcaca gctctaaagt taattcagac agcggtattc 240
caggattagc agccagtgtc ttagttgtga gtcacggtgc ttacatgaga agtctgtttg 300
attattttct gactgacctt aagtgttcct taccagccac tctgagcata tctgaactta 360
tgtcagtcac tcccaataca gggatgaagt ctctttatca taaactttga ggaaggaaga 420
naagttaaaa ccaacgggtt caagnggtat tttgtattga accctacagg gatcatctta 480
aaanngggac tggacttgga aaacttccct ttaagggttn aaaatttggn attcaaaaaa 540
```

```
tcttaaccat tttttgaaac cctttttttaa agggganann gccat                    585


<210> 403
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 96, 132, 137, 151, 208, 230, 363, 375, 397, 399, 473
<223> n = A,T,C or G

<400> 403
ctgagcgatg aggatatcat catgcactgg tcggatagtg ccctctggaa agagatcagc 60
ctggttcccc aggggggatcc atgtcatatg cctggnatac actttgtggc tcacgtacag 120
ttcgttgggg gncagangaa tctttagcag natgggggtt ccgagtgcat ctgacctgga 180
gacgaaactg tagagtatct atctctgngc cttcttcatc tccttgggtn cgatactcaa 240
aaagacgggg atcagcatga atgggaatga gccccagacg gtgagcaaga atctcatcct 300
gaacaatgga tgtattattg tacaccagga ccttctccac agccatagtt ggcacctcag 360
ctncagaatt cgtcnaaaag cattggcaat ggctgcnana attcccacca tgtcaaactc 420
cagtgagttt tcatccatgt gtactacatc cacaccggaa attcttctcg aancgggtcc 480
cttggtccca aggcatcatc ataaaccgga atagttaccc gggaaaa      527


<210> 404
<211> 172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 164
<223> n = A,T,C or G

<400> 404
cctgatgggc gagtggtggg gcagggcatg cctcagtcgg agtcacaggt cttttgttcg 60
gtggcagcat ccactgcaga ggctaggctg tcttcctggc ctttcagcct ttcacggatc 120
agctcgcaat gggccctctg agtccgcttt tttagtttct ccancttctt gg      172


<210> 405
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 228, 273, 367, 378, 388, 389, 402, 410, 436, 466, 472,
490, 492, 509, 546, 552
<223> n = A,T,C or G

<400> 405
ctaggtcctg ncatttccta ctggatgttc tctcaataat tgtgctgccc attatactcc 60
caatgccggt gacacaacag tattacagta tgatgacatc tgtaaaatag actttggaac 120
acatataagc ggatgattat tgactgtgct tttactgtca cttttaatcc caaatatgat 180
acgttattaa aagctgtaaa agatgctact aacactggaa taaagtgngc tggaattgat 240
```

```
gttcgctgtg tgatgttggt gaggccatcc aanaagttat ggagtcctat gaagttgaaa 300
tagatgggaa gacatatcaa gtgaaaccaa tccgtaatct aaatggacat tcaattgggc 360
aatatanaat acatgctnga aaaacagnnc ccattgtgaa angaggggan gcaaccaata 420
atggaggaag gagaantata tgcaattgaa aacctttggt agtcangaaa angtgttgtt 480
catgatgatn tngaaatgtt caccttacnt gaaaaatttt gatgttggac atcgccaata 540
aagctncaaa an                                                     552
```

<210> 406
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 139, 248, 319, 337, 367, 431, 496, 528, 545
<223> n = A,T,C or G

<400> 406
```
ccagcccctc cttgttccag ccggtggtgt gacttcgttg gttgaggtgt gtctccaacc 60
tacatcagac catgaagttc aacccctcca gggaagctcc tgatttcccc tgcataattg 120
aaaataggat atttctcanc tattgaacag ttactaattt atggggtgga aacagcatta 180
agaatactga atcaaatgga aaaacaaatg aatacaggaa gataagtgtt cgttcttttc 240
tgaaaaanag tatgtgtacc acaagagctg gttttaattg ggtgaattgt ttttgtcctc 300
attctgtaca gaaatttgna tatatgatgg ttcttanaac ttgtttttaat ttttgtggtc 360
cttctgntta ttataatagg ccgccaccaa tgattatcca tatgtgttct taattttttaa 420
ctgctggaag ngttaaaaca cacacacaca cacacacaca ttttttttgag aactccaaag 480
ccctgaaaat tttggnggac aatgattttt accttgcccg ggcggtcntt aagggaatt 540
ccacn                                                             545
```

<210> 407
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244
<223> n = A,T,C or G

<400> 407
```
aaaatggaaa aggcccctat tgatacctcg gatgtagaag aaaaagcaga agaaatcatt 60
gctgaagcag aacctccttc agaagttgtt tctacacctg tgctatggac tcctggaact 120
gcccaaattg gagagggagt agaaaactcc tggggtgatc ttgaagactc tgagaaggaa 180
gatgatgaag gcggtggtga tcaagctatc attcttgatg gtataaaaat ggacactgga 240
gtanaagtct ctgatattgg aagccaagat gctcccataa tactctcaga tagtgaagaa 300
gaagaaatga tcattttgga accagacaag aatccaaaga aaataagaac acagaccacc 360
agtgcaaaac aagaaaaagc accaagtaaa aagccagtga aaagaagaaa aaagaagaga 420
g                                                                 421
```

<210> 408
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 536
<223> n = A,T,C or G

<400> 408
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaaacgatt atataaagaa agtgcagtta 240
aaaaggaaac tatgtggcaa gtaccctctt tcccttccca ccccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gccctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag ggatttattg tcaaangcag 540
aatttcttca ggcagg 556


<210> 409
<211> 522
<212> DNA
<213> Homo sapiens

<400> 409
ccatcaacca caaattggaa atcaagtaca tagattctgc ggacttggag cccatcacct 60
cgcaagaaga gcccgtgcgc taccacgaag cttggcagaa gctctgtagt gctcatggag 120
tgctggttcc aggaggattt ggtgttcgag gaacagaagg aaaaatccaa gcaattgcct 180
gggctcggaa tcagaaaaag ccttttttgg gcgtgtgctt agggatgcag ttggcagtgg 240
ttgaattctc aagaaacgtg ctgggatggc aagatgccaa ttctacagag tttgaccacta 300
cgaccagtca tcccgtggtc gtagacatgc cagaacacaa cccagggcag atgggcggaa 360
ccatgaggct gggcaagagg agaaccctgt tccagaccaa gaactcagtc atgaggaaac 420
tctatggaga cgcagactac ttggaagaga ggcaccgcca ccgatttgag gtgaatccag 480
tctggaaaaa gtgtttggaa aacaaggctt gaagtttgtt gg 522


<210> 410
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 490
<223> n = A,T,C or G

<400> 410
ccaaaggaat ctgcagcaac ttcttaaaat actgttaaca tctttgggtt tgctgaggct 60
tgtcagtaac ttacatcaaa tcctcccaaa agaagatctg attagataga tatgactaaa 120
cggttttgta gtaataatcc aattttacac attaatttgc tgttgcaaat ctgcccaaag 180
ctacaggtaa tgaaaaataa agcaagtgta aaatggatag tctgacactt aaaaatttat 240
acaaagtgga agttaaagtt tacatatttg aaaatcacat atacactaaa ttaccattat 300
ctgaattttc caaagacaaa ttgcaccatg acagctacaa aaggcatagg gtttggtttt 360
aagggcacaa gaagggaggg cagaggagag gaaggggaca acagataaat taacaaagta 420
agaccaactt ggtaaggtca atctgagaca tgctgacaca aatgaaacag ctttcatctt 480
tgagtcatan gaaaaagaca atcattttgt atttgcgcat aaaagtt 527

<210> 411
<211> 549
<212> DNA
<213> Homo sapiens

<400> 411
aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccaccctgta gaagatggaa 60
tcatggatgc tgccaatttt gagcagtttt tgcaagaaag gatcaaagtg aacggaaaag 120
ctgggaacct tggtggaggg gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180
catccgaggt gcctttctcc aaaaggtatt tgaaatatct caccaaaaaa tatttgaaga 240
agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt tacgaattac 300
gttacttcca gattaaccag gacgaagaag aggaggaaga cgaggattaa atttcattta 360
tctggaaaat tttgtatgag ttcttgaata aaacttggga accaaaatgg tggtttatcc 420
ttgtatctct gcagtgtgga ttgaacagaa aattggaaat catagtcaaa gggcttccct 480
tggttcccac tcatttattt gtaacttgac ttcttttttt ttcttgctta aaaatttcaa 540
ttctcgggg 549

<210> 412
<211> 550
<212> DNA
<213> Homo sapiens

<400> 412
aaagagattt attaaatcat cttatcacaa agatggaaac atatacaaac tagaaacatg 60
caaccatcat cttccacagt caagtcacaa tgtcaaatat ttttcttgcc tctgcagatg 120
aaaagttcag atcttatacc caactactta ctcaccccga atatttaagt cagtcttcct 180
gaaagtactc agggtagcaa gtaacaaaat gcaacgatt atataaagaa agtgcagtta 240
aaagggaaac tatgtggcaa gtaccctctt tcccttccca ccccccaatt aaaggcaaac 300
aatggcactt tgctcttgct taacctagat tgtcttcaaa aactattaaa atgtaaaaga 360
cttaacaaaa aaacaaaaag acgtttaaca gatgtcaaaa agctccttag tgtttgaaaa 420
taaatgctta aacaaaagac aacatatttt atatcaaaca agtttgaaga gtcctgaatt 480
gcagcattct gtaacataaa caaacaaaaa gctggtatag gatttattgt caaaggcaga 540
atttcttcag 550

<210> 413
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16, 34
<223> n = A,T,C or G

<400> 413
ctgatcaaga ctgganacaa agtgggagcc agcnaagcca cgctgctgaa catgctcaac 60
atctccccct tctcctttgg gctggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttcct ggagggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctgttgcatc agtaccccat 240
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300
ccacttgctg aaaaggtcaa gg 322

<210> 414
<211> 544

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 544
<223> n = A,T,C or G

<400> 414
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggtcattc tgtacctctg tcatgggatg 120
ggccagaatc agttttttcga gtacacgtcc cagaaagaaa tacgctataa cacccaccag 180
cctgagggct gcattgctgt ggaagcagga atggataccc ttaccatgca tctctgcgaa 240
gaaactgccc cagagaatca gaagttcatc ttgcaggagg atggatcttt atttcacgaa 300
cagtccaaga aatgtgtcca ggctgcgagg aaggagtcga gtgacagttt cgttccactc 360
ttacgagact gcaccaactc ggatcatcag aaatggttct tcaaagagcg catgttatga 420
agcctcgtgt atcaaggagc ccatcgaagg agactgtgga gccaggactc tgcccaacaa 480
agacttagct aagcagtgac cagaacccac caaaaactag gcttgcattg ctttgaagag 540
caan 544

<210> 415
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 489, 515
<223> n = A,T,C or G

<400> 415
ccacgtccat cggagtgtcc ttctcggtgg gcgacggggt gcctgaggct gagaagaacg 60
caggggagcc cgagaacacc tatattctgc ggcctgtttt ccagcagagg ttcaggccct 120
ctgtggttaa aagactgtat ccatgctgtg ctcaaggagg aactggcaaa tgctgaatat 180
tctccagaag aaatgcctca gcttacaaaa catttatcag aaaacattaa agataaatta 240
aaagaaatgg gatttgaccg atacaaaatg gtggtgcaag tagtgattgg agaacaaaga 300
ggtgaaggag tattcatggc ttctcgctgt ttctgggatg ctgacactga caactatact 360
catgatgttt tcatgaatga cagtttattc tgcgttgtag cagcatttgg ctgtttctac 420
tactgaatga atctttgaaa agctggtaaa agacatgacc atgaagaaat ctgaactttt 480
taatattgnt aaatatcttg acaaaataaa gatgntagta gttcgaaaaa aaaaaaaaaa 540
aaaaat 546

<210> 416
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 102, 107, 122, 150, 161, 172, 226, 248, 269, 282
<223> n = A,T,C or G

<400> 416
ccgggacctc atcagccacg atgagatgtt ctccgacatc tacaagatcc gggagatcgc 60

```
ggacgggttg tgcctggagg tggaggggaa gatggtcagt angacanaag gtaacattga 120
tnactcgctc attggtggaa atgcctccgn tgaaggcccc nagggcgaag gnaccgaaag 180
cacagtaatc actggtgtcg atattgtcat gaaccatcac ctgcangaaa caagtttcac 240
aaaagaancc tacaagaagt acatcaaana ttgcatgaaa tnaatcaaag ggaaacttga 300
agaacagaga ccagaaagag taaaaccttt tatgacaggg gctgcagaac aaatcaagca 360
catccttgct aatttcaaaa actaccagtt ctttattggt gaaaacatga atccagatgg 420
catggttgct ctattggact accgtgagga tggtgtgacc ccatatatga ttttctttaa 480
ggatggttta gaaatgggaa aaatgttaac aaatgtggca attattttgg atctatcacc 540
tgtcat                                                            546

<210> 417
<211> 375
<212> DNA
<213> Homo sapiens

<400> 417
aaataaaata tgcttattaa acactcctgc aaagatggtt ttattagtac cctggtcatt 60
ttgttcaagg aagggttata ttgcattctc acgtgaaata taaaaagcaa gtcttgccca 120
ataaaaacgc tacattgtgt gtatttttg ttcagctaag aattggaaaa gtatttgctt 180
gccttttaag ttactgacat cagcttccac cagtgtaaaa attgagtaaa acctgaagtt 240
ttgcataaaa tgcaaatcgg tgcctgtgct tgaaggttgc tgtagagcat ctgacccctt 300
attaccacct taagcaatgt atatgccatg cattaccatg cactaattca atcacaggtg 360
tttctatcta gattt                                                  375

<210> 418
<211> 512
<212> DNA
<213> Homo sapiens

<400> 418
aaagtatatg gaagatgtgc aaaggttata tgcaaatact gtaatatttt atataaatga 60
cttgagcacc tgcagatttt ggtatccctg agagttcctg gaaccaatcc ccttcagata 120
ccaaggaatg actgtacatg tttggtagaa aactagttgt ctctacctag tctccattct 180
ggtcacttct ttagtttcct aatttcagag taaggccagt ctccttctgt gatggttaat 240
tttgtgtcaa cttgagtgaa ccaagggatg cccagatacc tggtaaaaca ttatttccac 300
gtgtgttggt gggggtgttt ctggaagtca ttgacatttc tactggtaga ctgagtacag 360
aagatccacc ctcaataatg tggatgggca tcagtccatt cagtgcccca tatgaaacaa 420
aaaggcagag gaaggacaaa atcagcctct ctgcttgttc tgggacatct attttctcct 480
gctcttggat atcagtacac ttgcttctct gg                               512

<210> 419
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 538
<223> n = A,T,C or G

<400> 419
aaaaaagcac ctccttaccc catatcacgt ttctctgaca ggtgttaaag taggcaatga 60
gtatgtcaac agcttgagca tcagcgtctt gcaaggactt cagaccaacc actcgccaaa 120
aatcttggca gctttttatc ttgttttaa tacaacggta tatccactct gatggcaaac 180
```

```
ctatccagcc acatctccac aacaagcttt gcaaaatcag tgattagcaa attagttagc 240
tttggcacgg agctgtgctc gcttgcccgt gacagcctgg aagccggttt tgatactggc 300
aacagaacat ctagaatgac aagtttcgca ctgtaggaaa tagagtcgtg tgtccttctg 360
caggattgtg tccggtgatc ggcatgtgtg acaagtgaca tattccttga tatatcttct 420
caagacattt tctatctgtt tctgttggaa tcttcctttg attacaagtt ggttattacc 480
atctatagaa ccacttgtac ccaattcagc caacaaaaat gcaaggagat gttttggng 539
```

<210> 420
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 130, 137, 403, 412, 413, 418, 443, 455, 473, 481, 487, 490, 527, 536, 537, 538
<223> n = A,T,C or G

```
<400> 420
ccagcagtac ccanagaaaa tgggcagcag caggtaaacc agccaggagg tggagtcctc 60
tgaacccaca gcagacccca ccctcctgcc cagcccctgc ccacattggg ggtcaggacc 120
actgaaactn tggtcangac agtgggtgct ctcagcagtg tggcaagctc agagcagagc 180
tcccaaggac cataccacac tggttcaaaa cccataggtg acaccatccc agcagaagct 240
tccatgggtg ctggatccca gggctgcatc ctgagcacag gtgggcagac tggaacataa 300
cactaggacc caagggatcc agaacatttt aggcccatct cctgggctgc tccagcctgt 360
tgccatgact tgggcaagtg agtgggcctc cttgccaggt ggnagggcac anntttanac 420
caaacccttt ggcctccccc ttntgcagtt acctntgacc aaaaaggaac tancaagcct 480
ntgtggnaan accataggggg ggggtgctgg gaatccttgg ggccggntgg ccccccnnn   538
```

<210> 421
<211> 295
<212> DNA
<213> Homo sapiens

```
<400> 421
cctgggctcg cctggaccac aagtttgacc tgatgtatgc caagcgtgcc tttgttcact 60
ggtacgtggg tgaggggatg gaggaaggcg agttttcaga ggcccgtgag gacatggctg 120
cccttgagaa ggattatgag gaggttggag cagatagtgc tgacggagag gatgagggtg 180
aagagtatta acctgtgtgc tgtactttta cactcctttg tcttggaact gtcttatttt 240
tgttctgtaa atgtctattg ccgtaaattg ttaataaaat tgatgtttcc atttt        295
```

<210> 422
<211> 422
<212> DNA
<213> Homo sapiens

```
<400> 422
aaatggttac attgtaaact gttatataag tacctgataa tatcattaat tttgtttctt 60
ggcctgccat gcttaaaata ttaactctct ggccctttaa gaaaaaaacg tgctgacccc 120
tgctctagat caaagaaaac aaacctcaaa aatactttcc tccctctacc ccacttgacc 180
cttgtcccgg ggcagtaggc atctccgtca aaactcttgt ccctggtctg tggtaacttt 240
ctcagctccc caacccatgt ccctcaaagt cccctcccta tagggcaaga acccagcaac 300
ttcgctctgc cccgactcta ggcgggatgt agctcatttt gggatacgag tctccatcgt 360
ggagcctggc ttcttccgaa cccctgtgac caacctggag agtctggaga aaaccctgca 420
```

gg                                                                        422

<210> 423
<211> 446
<212> DNA
<213> Homo sapiens

<400> 423
aaggtgctcc ttgccgccgc cctcatcgcg gggtccgtct tcttcctgct gctgccggga 60
ccttctgcgg ccgatgagaa gaagaagggg cccaaagtca ccgtcaaggt gtattttgac 120
ctacgaattg gagatgaaga tgtaggccgg gtgatctttg gtctcttcgg aaagactgtt 180
ccaaaaacag tggataattt tgtggcctta gctacaggag agaaaggatt tggctacaaa 240
aacagcaaat tccatcgtgt aatcaaggac ttcatgatcc agggcggaga cttcaccagg 300
ggagatggca caggaggaaa gagcatctac ggtgagcgct tccccgatga gaactttgcc 360
aaacaccaca tgcttgccat ctagccaggc tgtcttgact gtcgtgatga agaactggga 420
gccgttggtg tctttgcctg cgttgg                                              446

<210> 424
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 450, 531
<223> n = A,T,C or G

<400> 424
aaaaactgac taggtcaaaa atagttacgc ctgcaggttg acctattcag actttgccaa 60
actcctccaa gttcaatata aattgacgtt ttcagagtac aaagtcaatt ttacggaaac 120
gctgttcctc cttttccatg gagccaatct gggtaatttt ttcattaaaa ttcttcttct 180
gcctgtttgc tgcggaactc tttgagctgc tgtagccgct cgatagtttc agaaatggtg 240
cgttccccgt ggaccttatt gtctcttgtg cggatattaa cagtgccact gattttctct 300
ttttcaccaa caactaaaat gaagttatac tgtgctaact gtgcatttcg aatctttta 360
ttcaatgtac agcctggatc cagatcaatg tctgccatga atttggcatc gtggaattgt 420
tgtcgtacct tttgggcata ttcatcacan gttggtccca ctggaactac cattacctgg 480
cgaggggaca gccaaaaggg ccttttgccc catagtttct gtgaggatag n                  531

<210> 425
<211> 406
<212> DNA
<213> Homo sapiens

<400> 425
ccttgagagc ccagcccttg catcagtgta gcctggacgt gaggcatgga gtcaaaagag 60
attattttgg agctttaaga ttcaatggct gccctgctgg gttttgaact tgcacgtggc 120
ctgtagccct ctttgttttg cctgatttct ctcttttgga atgggagtgt ttagccaatg 180
cctgtgcccc tattgtatct tggaagtaac taacttgttt ttttatttta tagactcatg 240
ggcagaaggg acttgccttg tctcagatga gactttggac tgtggacttt tgagttaaca 300
ctgaaatgag ttaaaattta ggggactgtt gagaagagat tattgtattt tgtagtgtga 360
gaaggacatg atatttggga ggggttgggg tggaattata tggttt                       406

<210> 426
<211> 322

```
<212> DNA
<213> Homo sapiens

<400> 426
ctgatcaaga ctggagacaa agtgggagcc agcgaagcca cgctgctgaa catgctcaac 60
atctcccct tctcctttgg gctggtcatc cagcaggtgt tcgacaatgg cagcatctac 120
aaccctgaag tgcttgatat cacagaggaa actctgcatt ctcgcttcct ggagggtgtc 180
cgcaatgttg ccagtgtctg tctgcagatt ggctacccaa ctgttgcatc agtaccccat 240
tctatcatca acgggtacaa acgagtcctg gccttgtctg tggagacgga ttacaccttc 300
ccacttgctg aaaaggtcaa gg                                       322


<210> 427
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 301, 305, 323, 328, 333, 339, 375, 381, 385, 391, 392, 397,
407, 412
<223> n = A,T,C or G

<400> 427
cctgttctgg gagatggtca tattcacctg ccaaaatctg ctggaatcct ttgatggtct 60
ccttcagggg taccagcttc cccatatgac ctgtgaagac ctcagcaacc tggaatggct 120
gagacaagaa acgctgtatt ttccgtgcac gggacacggt caacttgtct tcctcagaaa 180
gttcatccat acccaggatg gcaatgatat cctggaggga tttgtagtcc tgcaggatct 240
tttgcacccc acgggcaaca tcgtaatgct cactgccaac aatgttggga tccatgatac 300
nagangtgga agtctaaaag atncacanac ctnggccgng aacacccta agggcgaaat 360
tccacaccac ttggngggcc ngttncctaa nnggaanccc aaacttnggg ancccaaa 418


<210> 428
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 381
<223> n = A,T,C or G

<400> 428
aaatctagat agaaacacct gtgattgaat tagtgcatgg taatgcatgg catatacatt 60
gcttaaggtg gtaataaggg gtcagatgct ctacagcaac cttcaagcac aggcaccgat 120
ttgcatttta tgcaaaactt caggttttac tcaattttta cactggtgga agctgatgtc 180
agtaacttaa aaggcaagca aatacttttc caattcttag ctgaacaaaa aatacacaca 240
atgtagcgtt tttattgggc aagacttgct ttttatattt cacgtgagaa tgcaatataa 300
cccttccttg aacaaaatga ccagggtact aataaaacca tctttgcagg aatggttaat 360
aagcatattt tatttacctt nggccg                                   386


<210> 429
<211> 452
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 356, 370, 386, 388
<223> n = A,T,C or G

<400> 429
ctgattcaga tcagagggaa agaaatacca accctgcaat aagtgtacta aactctacgc 60
tctggttaat gtaatgtact ctcctggact gaatgcagtg tataatttct gtctacagct 120
agaagctgtg ccccagttcc acatttgatt acacatgtga gatttgctgc tgttgcagta 180
taaacactag gtataatagg atttgaaatt gcattacagt tcataaaaat tgaaaatgag 240
aaattaaacc tgcaagtgaa acatttgaaa cgattatact ttctacataa gacatggttg 300
ggacatcaga tacttacaaa gatggtttaa agtatggata ctagaaaaaa ttaagntctc 360
tttctctttn ggttaatgga ttgggntnaa tttccattat gctatttgca taatcaaggc 420
actgtaaatc ttataatttt acctgcccgg cg                            452


<210> 430
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 393, 403, 478, 505, 537, 539, 553
<223> n = A,T,C or G

<400> 430
aaaggtgata ggtgacttaa taattttcca ctttcaaaat gggtttctag acactgttgt 60
tcatgaacca aaaacaaaca aacaaacaaa caacaacaaa acccaaacac tttggcaagc 120
aaagtattat tagtacatag cagcttcata acagtttact tttttaatat aaagattttt 180
caatttacac ttgtaggagt agaaaaaact aatatgctaa gtctgtaagc tacgcagcaa 240
aaataatgat cttaatgaag ccagaattct gtgaaaatgt gcaccacact gcatatatag 300
tagctgagta aatgtaaacc atgtgcttat taactcttct atataaaata ttgaaccccc 360
aagtctccac attgccttct atgtcccatt acnttttctt ganacagcct catgcttaag 420
ccaatatata ttgctatttg aaaaagttct catcctcatt ctaaaatgtt tctgtaanga 480
cctgccgggc ggccgtcaaa gggcnaatcc acaactggcg gcgtctatgg accactngnc 540
cacttggcga atntggcata                                          560


<210> 431
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

<400> 431
aaaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaactttt 120
acacagtggt tacatttcac atttcactaa tgttgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttggttagca 240
tctcatcttg cattctgatc aattggcaag aaagggagat ttcaaaatta tatttcttga 300
```

```
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggg 360
ggggcttaaa aattccaaac aaatgatccc tgcntttcct gaagatgttt acctcgggcc 420
gcaccacgc                                                         429
```

```
<210> 432
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 430, 444, 466, 500, 506, 515, 524, 537, 545, 564, 572
<223> n = A,T,C or G

<400> 432
ccaatactcc catttggttt tactggcggc atttgattgt attgatgata ctaagcttgt 60
gaagcagata atcatatcag aaattatcag ttcattgcct agcatagtaa atgacaaata 120
tggaaggaag gtcctattgt acttactaag ccccagagat cctgcacata cagtacgaga 180
aatcattgaa gttctgcaaa aaggagatgg aaatgcacac agtaagaaag atacagaggt 240
ccgcagacgg gagctcctag aatccatttc tccagctttg ttaagctacc tgcaagaaca 300
cgcccaagaa gtggtgctag ataagtctgc gtgtgtgttg gtgtctgaca ttctgggatc 360
tgccactgga gacgttcagc ctaccatgaa tgccatcgcc agcttggcag caacaggact 420
gcatcctggn gggcaaggac gganaacttt cacattgcag aacatnctgc agggacatct 480
agttcttgaa gtggttaatn gagtangaat aaaangatga aagnaaaatg ggagaanaag 540
gttgntttgc aaaaacactt gtanaacatg tnggtatgaa aaacctgaaa tcctggctt 599
```

```
<210> 433
<211> 227
<212> DNA
<213> Homo sapiens

<400> 433
atagtctgcg cagcgtatgc acacgaactg ccaaaatatg gtgtgaaggt tggcctgaca 60
aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 120
ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg         227
```

```
<210> 434
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 417, 434, 484, 504, 522, 538, 540, 543, 557, 574, 580, 593,
601, 602, 611
<223> n = A,T,C or G

<400> 434
aaaaaatcat acggacaaac aactttcaaa caaaactgga ttagtaggat ttcttgcctg 60
cttaactaac atgacagact tcttgtccca agcccttctc agaaaaacct catgtggaaa 120
ccaagctaga gataagaatt cttccctgat gcagttaggg gaaagggaaa ggctagaaac 180
ttctttggca agcaattcca cacacagcca tttatgtgtg agtgctctgc ttcaagcaca 240
gtacactctt tgcagggacg gccagatgtt cagagtggga gtggtacttt tcaaccagct 300
```

```
aaaagtgcag aagtcatcta gtcgtctgcc tcttcccact gccagtgcct gcagcctttg 360
cagcaacttt taaccccct atggactgga atattgagtt taaaagccaa ggctganctg 420
gctgacgctt gtantctcca ttgaaaaagg aaatggatgg gatggaaccg agaaaccacc 480
agtnccttga tgaaccttca aaanacttag gggggaaag anaaaggaag gatttcanan 540
atnggggaca gaatggnggg aaaatgttgg gctnactggn aaggaaatgg ggnttccctg 600
nntaatatgt nca                                                   613


<210> 435
<211> 322
<212> DNA
<213> Homo sapiens


<400> 435
ctgacccccc tttgtccaca gctaagatgg cagcagaatg ctatgtcact atatacagaa 60
acaagacaac ctgaagctaa atggatgccc cctgcagagt caacaggtcc agcctcacag 120
tgcacgccct gagctacagc ctctcccaaa aggcatcttc cccacagcct caacgccgag 180
caaggagcat caagggtttg tctcggttgt tttgttcttt ttacaaacta tagatatata 240
cagttgaaaa ctcaggattt ctagccaata accatagtta ccaccacctt acaaataaaa 300
agaaaatgcc agaaacatct tt                                         322


<210> 436
<211> 267
<212> DNA
<213> Homo sapiens


<400> 436
ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact gccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg                                    267


<210> 437
<211> 625
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 403, 415, 421, 448, 452, 463, 468, 476, 486, 500, 513, 521,
528, 535, 536, 545, 572, 576, 597, 599, 613, 622
<223> n = A,T,C or G


<400> 437
cctgagaccc tcaacagtgc tgtgtgtaca gaaggccccc agaatccaca caaaggggcc 60
gcctgaaacc tagagcattt gtgaaggagg aaaatggaag gaacaactgg atgttgtaaa 120
tgtttctcat ctggccttaa aatccatgaa agctggaaaa tcacaaggca tctgtgcata 180
tactggtgga tttttaatgag agtcctgtgt ttggagcacc agaaataaac cagcttcaga 240
agcaaagtta acaggaggag gaagcagagc tagagatgga aggagaccca gccagcccgg 300
gctccagtga catcggctgg tacacgcttt tgtttgctta cgcttgttga acttgagttt 360
tttattttgt aactaacgaa tactggcaca tgatctgaac ctnttttgac acttnttttt 420
naagcttgac ccagtggaag aaccttanga anggagaaac tcncccantc ttgccnnggt 480
cacaanaatg atcattcttn aaaaattttc ctngggggagt naatgggnaa atttnncttg 540
ggctnttttt cccgattgaa gaaggaacct tnaagnaagg gtttggggac cccgaantnc 600
```

```
cggaacaccc ccntacctta tnttt                                        625

<210> 438
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 421
<223> n = A,T,C or G

<400> 438
ggtgttaata ctttcaaagt tcttacaagg gataaacgtc ttgtacccgg aggtggagca 60
acagaaattg aattagccaa acagatcaca tcatatggag agacatgtcc tggacttgaa 120
cagtatgcta ttaagaagtt tgctgaggca tttgaagcta ttccccgcgc actggcagaa 180
aactctggag ttaaggccaa tgaagtaatc tctaaacttt atgcagtaca tcaagaagga 240
aataaaaacg ttggattaga tattgaggct gaagtccctg ctgtaaagga catgctggaa 300
gctggtattc tagatactta cctgggaaaa tattgggcta tcaaactcct actaatgctg 360
cagtcactgt acttaaaagt ggatcaaaat catcatggca aaaaccagaa cttgcccggc 420
nggccgttca a                                                       431

<210> 439
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 427, 460, 462, 497, 499, 504, 513, 518, 527, 552, 553,
563, 572
<223> n = A,T,C or G

<400> 439
ccaagtcaaa attgggccca gcgtctttct ttctgtctta tgacagacca gcctccagcc 60
ttggtgtggt atctacatgt agccctgcgt accctgcttc tttttagcat tcaaggccca 120
ctcagggcct caaattagcc aatggtgaat atggatatag gactttttaga gggatgcagg 180
ttgagttgta cataacttag aggtgaagtg caggtccgaa acagggctag actttggaga 240
actgtaaaat ggctcactga gcatgacagc atcaggaccc ctggagtggc tttcaaactt 300
accttcttct gcaggctact tctggaaatc cctaggactt accagctttc tgaacactgc 360
gcatcatggg aaggtgaaaa agaaaaaggg ctagttaaaa tcttgntttt ctggggggcc 420
aacttangag gagcctaaag ctaacccttg ggcttgacan tntactttta ccttactaca 480
ctgtgcaatg aatgccnang ccanataaac ctnggccnaa cacctanggg aatcaaccct 540
ggggccgtct anngaccact tgnccaaatt gng                               573

<210> 440
<211> 303
<212> DNA
<213> Homo sapiens

<400> 440
cggaaaatgg tgaagaaaat tgaaatcagc cagcacgcca agtacacttg ctctttctgt 60
ggcaaaacca agatgaagag acgagctgtg gggatctggc actgtggttc ctgcatgaag 120
acagtggctg gcggtgcctg gacgtacaat accacttccg ctgtcacggt aaagtccgcc 180
```

```
atcagaagac tgaaggagtt gaaagaccag tagacgctcc tctactcttt gagacatcac 240
tggcctataa taaatgggtt aatttatgta acaaaagaa aaaaaaaaa aaaaaaaaa 300
aaa                                                                303
```

<210> 441
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 97, 240, 273, 284, 359, 367, 384, 417, 424, 427, 436, 440,
441, 448, 451, 464, 476, 481, 487, 488, 509
<223> n = A,T,C or G

<400> 441
```
ccaacttata tgattttttt tttgtttttg tcgtgtagtt atggcactgt cttatttgga 60
acatttgcag ctagggataa tacaacattt ttaactntca tttgacaacc tactactaat 120
cacagaccac aagggtaatg accaaattta tgtggttttt gcactccata gttgtcttag 180
cccaatcttt ctatactctt acgattactt gggttaacgc ttctgtgagg accttctggn 240
tcttgagata ccctaaatat ttaagatatt tanatatctt gaanatagta taggatatag 300
agattgtacc aaataggaat ataaggagta ttgttaaaat gaccagatcc cgtttgatng 360
ttttacntga cctaaccaaa tgtntggaaa aaggaaatca aaaccttgga tttttcnggg 420
gttnatncct gggtgncaan nccgaaangg ntcccgaaaa ggcnttccct tggttnaaac 480
ngggaanntg aaacaaaaaa ctttgggtnt ttagaatcac ttttt              525
```

<210> 442
<211> 83
<212> DNA
<213> Homo sapiens

<400> 442
```
ggagtttgca gtgagccgag atcgcgccac tgcactccag cctgggcgac agagacggag 60
agactccgtc tcaaaaaaaa aaa                                          83
```

<210> 443
<211> 618
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 366, 382, 407, 433, 439, 477, 480, 485, 491, 502, 503, 509,
527, 539, 603, 607, 617
<223> n = A,T,C or G

<400> 443
```
ctggaggccc tgctgagctc cctgccccca ccccaaagcc agaaggaggc ccaagttgca 60
gcccgggttt ggagggagtt tgagatgaag cgaatggatc ctggcttcct ggacaagcag 120
gctcgctgcc actacctgaa gggtaaactg aggcatctca agactcagat ccagaaattc 180
gatgaccaag gagacagcga gggctccgtg tacttctaag tgcccctgca gatgggcaga 240
gggatgcatg gggatgcagg tcccttgcat ttcttggtat ctctcagctt ttcctcttgc 300
agctccccct accaggggtc gctttctcct ggattgcaaa tgccttttca gtttggactc 360
agcttntgac acccctcttc angaaggcct accacctta gaagtcnacc tgtgggcaat 420
```

```
gtgggtaccc tgncaagcnc aaaaaaaagt ataactggga gtgcccaggg ttaaaanaan 480
aaatnccacc ngaacttggt cnnaatgang caccttaaaa attgttnccc cgaaaattng 540
ggcatggatt ccgtggaagg aacaacccctt aaacccaaaa agggcaaact ggccggggg 600
gcntttnaaa gggcgant                                                618
```

<210> 444
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 364, 379, 388, 408, 412, 415, 423, 428, 429, 445, 446,
447
<223> n = A,T,C or G

<400> 444
```
ccactttctt tcccacctgg gaaggcggca tctatgactt cattggggag ttcatgaagg 60
ccagcgtgga tgtggcagac ctgataggtc taaaccttgt catgtcccgg aatgccggca 120
agggagagta caagatcatg gttgctgccc tgggctgggc cactgctgag cttattatgt 180
cccgctgcat tccctatgg gtcggagccc ggggcattga gtttgactgg aagtacatcc 240
agatgagcat agactccaac atcagtctgg tccattacat cgtcgcgtct gctcaggtct 300
ggatgataac acgctatgat ctgtaccaca ccttccggcc agacctgccg ggcgggccgt 360
tnanggccaa attcaacana ctggcggncg gttactagtg gaacccanct tnggnaccca 420
acnttggnnt aatcattggt catannntgt ttcc                              454
```

<210> 445
<211> 345
<212> DNA
<213> Homo sapiens

<400> 445
```
aaatgacgaa actcagcgga aatatattca gggattgaag aggttaatga ccatttgcca 60
gaaacacttt cctacagacc catccaaatg tgtggagtac aatgcactgt gagatctgtg 120
tatggtgtgt taataacaat aagaaactta gggaagcagg ctgtggactt ctggaattac 180
caacaggaat gaggaaagaa gaaaactgga gtttccagtc tctgagttct acccgatgta 240
actcttgatt ggttttaaga actttgttgg ccttcatttc atatctgact gcaagctgat 300
ttttctttct tgctttcatt ttaattaagt ccaaaattaa atttt                 345
```

<210> 446
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 358, 366, 372, 391, 401, 421, 434, 436, 438, 444
<223> n = A,T,C or G

<400> 446
```
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaaccctа tgaatgtaag 240
```

```
gagtgcggga aagccttcag ttcttccagt tcctttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct tgttctcntc 360
tggaangaca tnaaaactta ccttgggggga naaaacccttt ntgaaatgta aaaatggtgg 420
naagcaactt tgtntntnaa ggtnttaaat g                                   451
```

<210> 447
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 399, 440, 452, 460, 477, 486, 492, 505, 515, 516, 546,
550, 559, 564, 571, 582
<223> n = A,T,C or G

<400> 447
```
aaaaatatat ggtcaggagg agactttaca gtttctcttt acaaacggta tataatggga 60
gaaatggcct tgtggcagag gacagtccca gacagcagcc ttgccacagc tcaagtagac 120
acagtcctta ctaagtctcc acgaagagca gtagctgggg agggcttctg atgctcttat 180
ttacaatccc acaatcactg ctctccttca agtctagcag tcccactgta tattgcaact 240
tgatcgtact aaagaccgac agcaaaggat acagccagtc tcgcctctgt gaagtgttgc 300
agagaacctg gagagtgcta atgaaaagct gntttaccaa aaaagttgcc acgggcaacc 360
tcatatactt taggcttatg tttagaaaag agcaagggnt gctacttggt agacacttgg 420
aaattccaaa gtgttttttgn gaataaaaat gntgtttatn gtaacttaag ggaaaantcg 480
taattnggac ancaaacatg gtggnttttc atgtnnatga agttagacaa gctgactccc 540
tcctanaaan ctacctttng gccntttttg ngccaaatcc cntgaagccc ac           592
```

<210> 448
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463
<223> n = A,T,C or G

<400> 448
```
aaaggtattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcttg aaagacgtaa accaaagtgc acttttatctc atttatctta tggtggaaac 180
acaggaacaa attctctaag agactgtgtt tctttagttg agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgttgtag 300
agtgggaata agagagggct ttttattttt tcgtncatac cgagtnttga ttgaagatga 360
ttcctaaaat gctaaatgna aatatatttg cttcccaaan ggnntttatt tctgncttttg 420
gggngatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccttttc             470
```

<210> 449
<211> 434
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 390
<223> n = A,T,C or G

<400> 449
aaaaaaagaa gcaagttctg aagttcactc ttgattgcac ccaccctgta gaagatggaa 60
tcatggatgc tgccaatttt gagcagtttt tgcaagaaag gatcaaagtg aacggaaaag 120
ctgggaacct tggtggaggg gtggtgacca tcgaaaggag caagagcaag atcaccgtga 180
catccgaggt gcctttctcc aaaaggtatt tgaaatatct caccaaaaaa tatttgaaga 240
agaataatct acgtgactgg ttgcgcgtag ttgctaacag caaagagagt taccgaatta 300
cgttacttcc agattaacca ggacgaagaa gaggaggaaa gacgaggatt aaatttcatt 360
ttatcttgga aaatttttgt atggagttcn ttggaataaa acttgggaac ccaaaatggg 420
tgggtttatc cctt                                                    434


<210> 450
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 506, 513, 518, 521, 526, 535
<223> n = A,T,C or G

<400> 450
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
cttctttttg ccagcaccaa cattggcctt tgcagtcccc ctgactttct tcattctgtt 120
cttgcgttcc tttcgttgct ttcttgaggt cttttttcttc tcatacaggc catgtcttgc 180
aagtctatgt ttgggttcat ttttctttgc ataatccagg gaatcataaa tcatgccaaa 240
gccagttgtc ttgccaccac caaaatgagt tctgaatcca aatacaaaga tgacatccgg 300
tgtggtcttg tacattttgg ctagtttttc ccgaatttct gtcttaggca ctgtcgcttc 360
ccggggtgaa ggacatcaat gaccatttgt ttcctctgaa gtagtcggtt ggtcatgaac 420
tttctagtgc ggatagttac cggggtcgac ctcggccgcg aacacgctaa gggcgaattc 480
caacacactg gcgggccgtt actagnggat ccnacttngg nccaanttgg cgaanaatgg 540
cataatgg                                                          548


<210> 451
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 392, 397, 402, 406, 413
<223> n = A,T,C or G

<400> 451
aaacttgtga taggcatatc tatgaaacct ttgtaaattt agtttattgc tttaccatta 60
ttttactagg taaaattaga gaacagattt tgttctctaa ttttttaagcc ttatttacat 120
atgcagaaac agcttaaata ttttgactag attagacaaa cagttaatag atccaccatt 180
aggaatcaat atattatgtc ataataaaca tccttttttct ttcactgaaa tttctttttag 240
aaataaactt atttttgctt gttatgtttt gaaacttgac ataggatatt ttccctctgg 300
ctacacattc acctaccctt gttctctatt tagattattc aaataaagtt agtttgcttt 360
tatagtcaaa aaaaaaaaaa aaaaaaaaaa anttggnccc cncccngggg gcnttaaaag 420
```

```
gggaaa                                                                  426
```

<210> 452
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 305, 310, 313, 315, 334, 336, 343, 352, 357, 362, 373, 377,
380, 392, 396
<223> n = A,T,C or G

<400> 452
```
ctgtctcagg atccaaggaa cgtttgggtt ttcctagcta catctggtac cttggctggc 60
attatgggaa tgaggttcta ccactctgga aaattcatgc ctgcaggttt aattgcaggt 120
gccagtttgc tgatggccgc caaagttgga gttcgtatgt tgatgacatc tgattagcag 180
aagtcatgtt ccagcttgga ctcatgaagg attaaaaatc tgcatcttcc actattttca 240
atgtattaag agaaataagt gcagcatttt tgcatctgac attttaccta aaaaaaaaaa 300
aaacnccaan ttngncggag ggggggaaaa tcantngtaa ccnttttaac cntacanaag 360
gnggggagc ttntaanatn gaccttattg anaccntctt aaaaaccatt          410
```

<210> 453
<211> 385
<212> DNA
<213> Homo sapiens

<400> 453
```
ggaacagctt atgtggtcta tgaggacatc tttgatgcca agaatgcatg tgatcaccta 60
tcgggattca atgtttgtaa cagatacctt gtggttttgt actataatgc caacagggca 120
tttcagaaga tggacacaaa gaagaaggag gaacagttga agcttctcaa ggagaaatat 180
ggcatcaaca cagatccacc aaaataaatg ttttctacat tttcatttgg actaaatccc 240
acgaatgaca actaccacct ttttttcctt tttaattaat actaaatatt gtgatttctt 300
atttgaggtt caaaatgacc tgcttgaaac tttgatacat attggaatac attatgttaa 360
taaacttgta gctttttgtg aaact                                    385
```

<210> 454
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 398, 416, 421, 423, 429, 443, 450, 460, 465
<223> n = A,T,C or G

<400> 454
```
cctttataca catatgtcta cacataggga tttggatgat ctcgggatcc cacatcctcg 60
ctgtcccctg tccccccgca acatcccca ccaatacctt tctgaagttt tctagtccct 120
ccttttttgtt tgtgctcctt aaagcccagc cccatgcctg actttggttc ccagtgagca 180
ttgtacattt gtggatatta aatctttggc aaagtcattt acctgggctg gaatagggct 240
cttggctgat tcttttttcct aaacacccac ccaatgggag aggctgatac tcaacatgca 300
aaccttgtgt tttatttctc caggcgaagg gatgttggaa gacattctgg aaggggtggg 360
gtgtgaagat ttacaaataa tctttgaata tctgcttnat gataggtctt ggaggngcct 420
```

```
ngngggtgng ggtttggggg gangggtacn aggaaattgn ggatntt                    467
```

```
<210> 455
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 497, 530, 542, 543, 558, 592, 600
<223> n = A,T,C or G

<400> 455
gctncaattt caatgagacc ttttgcattt tttctcaaag cccttatgtt ctaacccatg 60
agaaccattt tacctgccct ctaagggcca ccagcttcga cctgcctcag gagacagcag 120
cacagaccag tggctccctg tccaaggccg cagagcagac gccatcccac tgtacaatcg 180
aatttgctgg acaaacttga taggtttctc tgcttagcaa cgagcctata gttagttggc 240
acatctgcgt tttggcatct gaggctccca tctgagtgga ggagaaagtg ttgtgtttat 300
tagcaggaag tcttgtgaaa acagctcgct gctgtgtatg tttatggatt tttctgatat 360
aacaagccag catggttacc gagtggtaga gattctcgaa cattctcaaa ctctcttttt 420
tgggtaaatg aatggtgctt aaaaataaaa tttattaata aagaaggggа aaaaggagta 480
actctccctg actaaangta ctctaattaa ttatttcttt ccaattaagn aaacccggaa 540
gnntgatttc atcacccnaa aatttttgaa ttttagggaa ccttttgccc cnaaagatcn 600
t                                                                      601

<210> 456
<211> 272
<212> DNA
<213> Homo sapiens

<400> 456
ccttacatta gaagccaagc caatcctttt tcctttttt ggaggtccca ccgagataga 60
taggaacttg gattgctgaa ttcaaaaaca gagcccattc ttaagatcac ttggtgcctt 120
aaagacacgc attccaaagt ggaatgtggt tgaagaaagt gggccaggtg gttgaagaaa 180
gccatgtggg agctcagcaa atcccaaggg cttattatga cactccagat ggtctcctta 240
gcatctcagc tcttctgcaa ggaagagctt gg                                    272

<210> 457
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 394
<223> n = A,T,C or G

<400> 457
aaaatttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180
atcaggtacc agtaacaaag tggtactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggaggtt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaata ctataaacaa acctttcttg atgaggctta agggttattt agaggagtat 360
```

```
aaccttaaaa ataaagatga aaaatttatg aacngggctc ttgttttcat gatgagagag 420
tcgtgcagtc c                                                      431
```

<210> 458
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 425, 490, 506, 526, 540, 541, 555
<223> n = A,T,C or G

<400> 458
```
aaaaacatta cttgaattag gattacacaa aaaaaactaa attctaagtg agcacaacta 60
tcgctgagac cctgaaattt caggaaataa acatggttca aaactcaaac tgttcatcaa 120
aataattacg caggtcagcc accactgcag aaccatcact gctcagagga attgagtcag 180
caatgactga tctcatcatc tcttcattag cacataagcg gttcaacttg ggatacgcaa 240
ggagtctctg cagaggtacg aaaaatttat ctccaacaca gaagggtgtg ggagagttct 300
ctatcttggc cttctcaacc tctgtgaaga ctggtccaaa gcatgggaca ggggcctttg 360
agccaccaat gtctttgggc ttatcacccc gttccccagc ctgttctttc cgcttggcag 420
gtggntcact cttaactttc acttgttggg acacctcatt accacacaag tttacctgcc 480
cggcggccgn tcaaaggcga attccnccac tggcggccgt actagnggat ccgactcggn 540
nccaacttgc gaaanatggg catactgttc c                                571
```

<210> 459
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 368, 382, 394, 416, 419, 421, 436, 443, 452, 453, 462, 463,
478, 492, 501, 502
<223> n = A,T,C or G

<400> 459
```
aaaaagagca cattccattc tggtgcacac aaatgtacat taaaaataaa ataaaaaagt 60
gtaagagtac atttcaaggg aatccctgcc tctcccttgg ctcgctggca aatgattcac 120
aaccaaaaca tttctgggat atgtgactta aggaataaaa aaactcagtg ttttataaaa 180
gggaatggca ggatgaggaa atgatttatc aagatacaat tttactaata attacttctc 240
aaataactta aaaatgtttt ataacaaaaa atcaaaatga aacaaaactt ggtagttgaa 300
tataagtatt ttcaactgtt acaatacttg aggagatttt tcggtctaat ttctcagaaa 360
ttaggccnaa agaatagctt tntttaacag aatnctaaaa aaatttcaat gtgaangant 420
natctaggat tacaanactt atnttttaca annacatcca tnntttctta aaatttantt 480
gttaggggtc tnaagttaaa nnagccttg                                   509
```

<210> 460
<211> 253
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> 247, 248
<223> n = A,T,C or G

<400> 460
aaaggctttc tttgagctca tttgtaggct tatctaccta ctgagtaaag tagttgggtg 60
tcctaatttt attaatagga ttaattttta ttataaatca ttagagatgt tttgatactt 120
tagttaaaac tgctttttag taaatttgtt tttctttgca gatatgaggg aaggcaccat 180
tggagatatg gctatcctgg gtataacaga aagttttcaa gtgaagctac aggttcttct 240
gagtgcnnct gaa 253

<210> 461
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 396, 480, 501, 510, 534, 535, 545, 546, 555, 561, 564
<223> n = A,T,C or G

<400> 461
ccagcccctc cttgttccag ccggtggtgt gacttcgttg gttgaggtgt gtctccaacc 60
tacatcagac catgaagttc aacccctcca gggaagctcc tgatttcccc tgcataattg 120
aaaataggat atttctcagc tattgaacag ttactaattt atggggtgga aacagcatta 180
agaatactga atcaaatgga aaaacaaatg aatacaggaa gataagtgtt cgttctttc 240
tgaaaaagag tatgtgtacc acaagagctg gttttaattg ggtgaattgt ttttgtcctc 300
attctgtaca gaaatttgta tatatgatgg ttcttagaac ttgtttaat ttttgtggtc 360
cttctgttta tttataatag gcgtccacca atgatnattc catatgtgtt cttaatttt 420
aactgctgga agtgttaaaa cacacacaca cacacacaca cattttttt ttgaaactcn 480
aaagtcctga aaaattttgg nggaaaaatn atttttactt gcccggggcg gccnntcaaa 540
agggnnaatt ccacncatgg nggnccgtt 569

<210> 462
<211> 402
<212> DNA
<213> Homo sapiens

<400> 462
ctgctgtttt cctggaatag tccttgagta atcccgcagg tacttggaga gttccatctc 60
aatggccccg ccaccagcca ccactgaatc attcttgatg gccctcctga cgatcatgat 120
ggcatcatgc agggaccgct ctgtctcctc cataaactgc tcggcgccgc cacggagaat 180
gaaggtgcat gtcttggcct tggggcagcc agtaaaaaaa ttgtacctct cgcctccaat 240
ctgggtctct tcaaacacct ggcatcgacc cagcacatct gctgacagag cattcacact 300
ggtctggatt gagcctccac aggccatcat tgtcctcttc agatcctcct caggtactcg 360
gccagcacag aacatgtccc tgtcagcaaa agtactgggt gg 402

<210> 463
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359, 444, 469, 478, 503, 504, 510, 539, 554, 561, 563

```
<223> n = A,T,C or G

<400> 463
aaattttgta gccattctta tgatgctctt gatttgttgg ttacacaaat caattttatt  60
aaaaatccaa agataagtct ttaggtatat tttgtaccaa attaaattag aagataaaaa 120
ttgtgctttc atagttgcta caaaggtaaa taatggagag atttggtaca aaacaacaaa 180
atatatatat attctcatat atatatatat agctgataaa attacctgag gagtgtaatg 240
tttatttttt tgtgtatatc tttgcaatct attttatata tattgacaaa agagactgtg 300
aaatacttag ccatgcagaa tatgtgacca gaccagagca tgtgtaggaa gactttacng 360
taatcattaa ctctccccga aatgatggac tacaagttat aatgtgtgtt acctacactt 420
caatcagtaa tattagcaaa tctncaaatg ttagtcacat tgggttggnc tcccttgnac 480
atctttattc atggatttac aanngcttgn actggggggg ccttttttaac ttgggccgna 540
acccccttaa gggnaattcc ncncactgg                                   569

<210> 464
<211> 221
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 213, 217
<223> n = A,T,C or G

<400> 464
aaataaattc acacaaagaa agagaaatag aaagcgacgg tagtgaccag caagaggaat  60
aataattaca ttcatcttaa tgtgtgtgtg ccagttctgt ttacattaac attggaaaac 120
tccagacctg gaatccagaa cctcaaatct gtgagtggaa tgtcttgaga tgggcacgtg 180
gaagtcaaag ggtttctctt tttttttttt ttntttnaaa a                     221

<210> 465
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 371, 421, 476
<223> n = A,T,C or G

<400> 465
cctgctcgct gggcagacat accatgtggc tgtggtctgc tacctgaggt ctcaggtcag  60
agccacctac catggaagtt tcagtacaaa gaaatctcag cccccacctc cacagccagc 120
aaggtcagct tctagttcaa ccatcaatct aatggtgagc acagaaccat tggctctcac 180
tgaaacagat atatgcaagt tgccgaaaga cgaaggaact tgcagggatt tcatattaaa 240
atggtactat gatccaaaca ccaaaagctg tgcaagattc tggtatggag gttgtggtgg 300
aaacgaaaac aaatttggat cacagaaaga atgtgaaaag gtttgcgctc ctgtgctcgc 360
caaacccgga ntcatcagtg tgatgggaac ctaacgtggg tggacctcgg ccgcgaacac 420
nctaaggcga attccagcac acttggcggc cgtacttagt gggatccaac ttcggnacca 480
ac                                                               482

<210> 466
<211> 192
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 136, 166, 172
<223> n = A,T,C or G

<400> 466
ctgcttggga ggctgaggca ggagaatcac ttgaaccctg gaggtggcgg ttgcagtgag 60
cacagatcat gccactgcac tccagcctgg gcaacaaaac gagacttcgt ctcaaaaaaa 120
aaaaaaaaaa aaaaanaccc tcgattttgg cccttggggg gggttncccc antttttttt 180
gggggggccat gg 192

<210> 467
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 368, 423, 429, 438, 450, 451, 471, 477, 481, 482, 483
<223> n = A,T,C or G

<400> 467
cctgctcgct gggcaagaca taccatgtgg ctgtggtctg ctacctgagg tctcaggtca 60
gagccaccta ccatggaagt ttcagtacaa agaaatctca gcccccacct ccacagccag 120
caaggtcagc ttctagttca accatcaatc taatggtgag cacagaacca ttggctctca 180
ctgaaacaga tatatgcaag ttgccgaaag acgaaagaac ttgcagggat ttcatattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatttggt ccagaaagaa tgtgaaaagg ttgcgctctg tgttgccaac 360
ccggatcnta atgtgatggg acctaacgtg gtggactcgg cgcaacacct aaggcaattc 420
acncctgcng gcgtctangg atccactcgn ncaacttgcg aatatggcta ntgttcntag 480
nnnc 484

<210> 468
<211> 488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26, 374, 392, 415, 427, 442, 449, 450
<223> n = A,T,C or G

<400> 468
agaattcccc ttcgagcggc cgccgngcag gtaaaggaaa cacaacctat ttgtgggagc 60
ttcttttaga tctacttcaa gataaaaata cttgtcccag gtatattaaa tggactcaga 120
gagaaaaagg catattcaag ctggtggatt caaaggctgt ctctaagctt tggggaaagc 180
ataagaacaa accagacatg aactatgaaa ccatgggacg agctttgaga tactactacc 240
aaaggggaat tcttgcaaag gttgaaggac agaggcttgt atatcagttc aaggatatgc 300
cgaaaaacat agtggcatag atgatgacaa aagtgaacct gtatgaagat tagcaggact 360
ctgtgaaaat cttngaacga gtgcctgctg cnaaagctct gaacacatct tgtcnaggga 420
aaatctncct tactgtcaac anaaagggnn tgatggattc tcctggccag tttcagtctc 480
tcctgttg 488

```
<210> 469
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 286, 368, 392, 403, 408
<223> n = A,T,C or G

<400> 469
tgcagaattc gccctttcga gcggcccgcc cgggcagagt ccattaaagt gctggaaatt 60
ttcttaatca tgataacatt tgttaaaaag aaatcagaac taatatcagg aacatggcgg 120
catgaaggaa acagttccct tacaaaacac agaaaatgga agcccctcat gttgaggggg 180
tgggttggac aatttgcaaa cagattctaa tttcctctcc cgtcagcacc aaactggctg 240
ggaccaccac ccctgggtga aagaaacaac actaaagaac cctaanaaca cccacacacc 300
ctgactccac cacctctggg catctgtggg cgtttgcttg tttgaacaga tccagtctca 360
ggaaaganga agacctgcct cggcccgacc cnctaaggcg atnccacncc tgccggccgt 420
ctagtggatc gactcgtcca acttgcgtat atggcatgct gttctgtg            468
```

```
<210> 470
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 50, 154, 212, 213, 250, 252, 272, 278, 281, 300, 304, 311,
326, 327, 334
<223> n = A,T,C or G

<400> 470
cagaattccc cttagcgtgg tcgcggccga agtctgcaat tacatcattn tttatctatc 60
ttctgctttt actttgtgta gggtagggat ggggacttac aaatgggcca aagacacttc 120
aacctcaaaa ccaaagagaa atctctgctt gcanagatac aaagaaagta actctccctc 180
ttatgaaaag caaccaggaa ctctactcca cnnatgaggg cactgatggt gtgggagagc 240
tatcaagaan antcttccta cacgtggcgc gngagacngt nagaactctg aaatcacatn 300
catngacact ngctcttacc atcatnncac tctnttgtat c                    341
```

```
<210> 471
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 313, 350, 370, 379, 383, 384, 391, 400, 401, 405, 428, 472,
491, 493, 508
<223> n = A,T,C or G

<400> 471
cagaattcgc ccttagcagt ggtcgcggcc gaagtctgag cgatgataga tatcatcatg 60
cactggtcgg atatgtgccc tctggaaaga gatcagcctg gttccccagg gggatccatg 120
```

```
tcatatgcct ggtatacact ttgtggttca cgtacagttc gttggggtca gaggaatctt 180
tagcagcatg ggggttccga gtgcatctga cctggagacg aaactgtaga gtatctatct 240
ctgtgccttc ttcatctcct tggttccgat actcaaaaag acggggatca gcatgaatgg 300
gaatgagccc canacggtga gcaagaatct cattctgaca atggatgatn attgtcccag 360
gaccttctcn cagccatant ggnncctcac ntacaaattn ncganagcat tgccatggtg 420
gtaatccnca tgcaactcag gagtttatcc tgtgtctcat cccccgaatc tntcaagcgc 480
ctgtccagct ntntaccgat agccggang                                  509
```

<210> 472
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 31, 360
<223> n = A,T,C or G

<400> 472
```
cagaattccc cttcgagcng ccgccgggca ngtccagcaa gtcaagtggt aatcaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gttccttttg gtccatatct 120
ccatgcatgg cggatacagt gaaatctcga gcatgcatct tctcggtgag ccagtccacc 180
ttcctccggg tgttgatgaa gatgactgcc tgggtgatgg tcaggtttc atacaagtca 240
catagtgtgt ccagcttcca ctcctctcgt tccacgttga tgtagaactg gcggataccc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc                                                      370
```

<210> 473
<211> 80
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 25, 45, 50, 55, 66, 67, 68
<223> n = A,T,C or G

<400> 473
```
cagaattcgc cttagcgtgg tcgcngccga agtcaagctt ttttntttcn ttttncttcc 60
caaaannntt tttttttttt                                            80
```

<210> 474
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 394, 399, 402, 410, 414, 423, 429, 431
<223> n = A,T,C or G

<400> 474
```
gcagaattcg cccttagcag tggtcgcggc cgagagtctg acctgacttt gctttaagtc 60
attctttttt atgccagcac tgtttgaaag tgcatgtcaa gcggctagct ccacatttgg 120
```

```
tcttcgaaag ggaaacgcat gcagttaaaa cgtaatgtac atgatggaat tgggaggatc 180
atagtctcag tttccccccc cctttctccc atctaggaga cctccatgga ctgcagcaaa 240
attaaaaata aagcacagac aacagaatta ttcttcactg agagagttta atatgcgttt 300
ctaacaccat ctatacttgc tttgttgttc ttgaagcatc aacacacatt ctggtattcc 360
agactaaagc tcttgtggtg ctactcngtt taanagatna ancatactan cttncgtttc 420
agnagtttnt nttaattttc cctactctta gtcagggact cagaaggatc agcgctggat 480
aaccatagaa gtccagttta ggaaaagcca cg                          512
```

<210> 475
<211> 61
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26, 28, 33, 37, 45, 49, 51
<223> n = A,T,C or G

<400> 475
```
gcaaaaattc gcccttaaag agagtngngg gcncgcnaac acaangcang ncgcgcccca 60
c                                                               61
```

<210> 476
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 337, 387, 392, 407
<223> n = A,T,C or G

<400> 476
```
gcagaattcg cccttagcag tggtcgcggc cgaagtaaac ttcagctcag tttcttaacc 60
aagaaccacg tcaaccctcc agggttgtgg tttgtatttt tgcctttaag cattatctcc 120
tttccaccaa gaagcctact taggtttaac acatgaaggc agtgtctaaa aattagatcg 180
gtcctaaatt ggaatgggat gtcttccttg catgtcccat accagggaat ttttttaaca 240
cacagtgtag agcctttgcc agagatgttg aaaggagat taaaggcttg agggatgaat 300
ttgatcatca ttcttaaagt ccttcaatcc tgtgatnctc tgattccctg agtctcgtta 360
ttttggacat gcctagccag taccagngac cngccgcttt tggtggnttc cttgatacgg 420
agagctatac acatgccttg t                                        441
```

<210> 477
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 25, 311, 322, 327, 343, 351, 352, 356, 362, 369, 371, 383,
397, 400, 406, 408, 420, 426, 430, 433, 458, 460, 461
<223> n = A,T,C or G

<400> 477

```
gggtaaagcc atttacataa tatangaaag atatgcatat atctagaagg tatgtggcat 60
ttatttggat aaaattctca attcagagaa atcatctgat gtttctatag tcactttgcc 120
agctcaaaag aaaacaatac cctatgtagt tgtggaagtt tatgctaata ttgtgtaact 180
gatattaaac ctaaatgttc tgctaccctg ttggtataaa gatattttga gcagactgta 240
acaagaaaaa aaaaatcatg cattcttagc aaaattgcct agtatgttaa tttgctcaaa 300
atacaatggt ngattttatg cncttgncgc tataacatcc ctntttcatg nngatncaat 360
antgagtant ntagaacctc ttntaggaat tatagtngcn cagaananct tgtttcttgn 420
catggncaan ttnatctttg ccttggggggg acgccacngn nggtcggccg           470
```

<210> 478
<211> 123
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 31, 32, 40, 54, 68, 80, 89, 93, 99, 106, 107, 114, 118
<223> n = A,T,C or G

<400> 478
```
tggaggtngg tgcctgtgaa gtccatccgt nntctcccan tcctcttgat catnatgaca 60
tttgttcnca aagaaatcan aactttcgnc atntccggng ggcgcnngaa tganacanct 120
ctc                                                               123
```

<210> 479
<211> 63
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 29, 42, 45, 49, 52
<223> n = A,T,C or G

<400> 479
```
ggtcaccngt tcaccaggcc gtgtggccnc cctctcacga tntgntgant tncggaccat 60
ttg                                                               63
```

<210> 480
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 319, 321, 326, 337, 349, 384, 388, 399, 408, 421, 432, 440,
450, 457
<223> n = A,T,C or G

<400> 480
```
aaatcatacg gacaaacaac tttcaaacaa aactggatta gtaggatttc ttgcctgctt 60
aactaacatg acagacttct tgtcccaagc ccttctcaga aaaacctcat gtggaaacca 120
agctagagat aagaattctt ccctgatgca gttaggggaa agggaaaggc tagaaacttc 180
tttggcaagc aattccacac acagccattt atgtgtgagt gctctgcttc aagcacagta 240
```

```
cactctttgc agggacggcc agatgttcag agtgggagtg gtcttttcaa ccagctaaaa 300
gtgcagaagt catctagtng ntgctnttcc actgccntgc tgcagcttna gaactttaac 360
acccttggct gaatttgagt aaancagntg actggtgcnt ggggctcntg aaaggaatgg 420
ngggtggacc gnaaccccan ctgatacctn aagattnggg aagag        465
```

`<210> 481`
`<211> 449`
`<212> DNA`
`<213> Homo sapiens`

`<220>`
`<221> misc_feature`
`<222> 263, 272, 333, 335, 338, 349, 358, 360, 377, 389, 395, 403,`
`408, 415, 416, 421, 428, 431`
`<223> n = A,T,C or G`

`<400> 481`
```
aaaatttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180
atcaggtacc agtaacaaag tggtactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggaggtt gtncagaaag anattaggac gttatcaagg atgaactata 300
gtaaaaatct attaacaacc tttcttgata agntnaangg tatttaaang aggtaacntn 360
aaataagatg aaaattntga ccggggttnt tcttntgaga ganactgnag caccnnccgg 420
ngccgtcnaa ngggatccac ccctgctgc        449
```

`<210> 482`
`<211> 401`
`<212> DNA`
`<213> Homo sapiens`

`<220>`
`<221> misc_feature`
`<222> 27, 270, 315, 319, 320, 335, 367, 374`
`<223> n = A,T,C or G`

`<400> 482`
```
atctcttctt cctcaagagt caagctnggc tcccttcttg cggcccaagg gcagcgcata 60
gtgggactcg taccactgtc ggtacggtgt gctgtcgatg agcacgatgc aattcttcac 120
cagggtcttg gtacgaacca gctcgttatt agatgcattg tagacaacat cgatgatcct 180
tgttttacga gtacaacact ctgagcccca ggagaaattc cccacgtcca acctcaggc 240
acggtatttc ttgttacctc cccgcacacn gactgtgtgg atgcggcggg ggcaatcttg 300
gtgttggcaa cctcngccnn aacacgctta gggcnattcc acacactggc ggccgtacta 360
tggatcnact cggnccaact tgcgtaatat ggcatactgt t        401
```

`<210> 483`
`<211> 230`
`<212> DNA`
`<213> Homo sapiens`

`<220>`
`<221> misc_feature`
`<222> 14, 137, 165, 166, 203, 214, 217`
`<223> n = A,T,C or G`

<400> 483
ctgagctcgc ctgnaccaca agtttgacct gatgtatgca aagcgtgcct ttgttcactg 60
gtacgtgggt gaggggatgg aggaaggcga gttttcagag gcccgtgagg acatggctgc 120
ccttgagaaa gattatnaga gaggttggag cagatagtgc tgacnngaga ggatgagggt 180
gaagagttta acctgtgcgc tgncttttac actnctntgt ttggaactgt 230


<210> 484
<211> 498
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 36, 293, 397, 415, 416, 439, 450, 462, 486
<223> n = A,T,C or G


<400> 484
gcagaattcg ccctttcgag cggcccgccc gggcangtaa aaggattttt atctttcgtg 60
ataaactttg ctgtgtacca ggaactataa aaacaaaaac ttgttactaa agaaaatatc 120
tgaaatgtga taagttctta tgccatgtta atttcatgtg tcaacttcaa catttacatg 180
tattatttca ttatgtaaaa tgttttagca atttaatatt ttgcacagtt agcaaacttt 240
gtatgtcatt tccttcaagg catcatgcag agttgacatg agatttataa ggntttaagt 300
tgtttgcatg tgaaaatcaa atacatactt tggtagcttt gaatacaaag catctgctct 360
tggtttcaag aattttgaga cacaaagtgg atgtaangaa tatattaatt gccgnntcta 420
ggagattgct caaaagagna atcacttatn tgtcaatgat antggaactg ggaattcttt 480
gtgcangttg gagtcatt 498


<210> 485
<211> 491
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 192, 263, 275, 288, 291, 347, 354, 365, 379, 385, 395, 413,
422, 445, 446, 458, 473
<223> n = A,T,C or G


<400> 485
gcagaattcc ccttagcgtg gtcgcggccc gaagtccatt gtctgtgaag tagagggaat 60
cacggagaga ggagccaagg gggaagccag tcgccggctt gaagagtggg gaggtgaagt 120
ccacggtcct cctgacgaac tccaggtccc cggcgcctgc cccataggg aagagggaaa 180
ctcctctctc angcaggatg gggatggggg caggtgaggc gctcacagcc tcgcgaaggt 240
ggagaagggc aggggcagga gangctgcgg aggangggca cggtgcanca ngccgtgggg 300
actgcatgca ctctcctggt gtcacatgcc cacagcacct cgtgacnaag cacngaccca 360
aaagngggt gtcgtgctnt gcccngattt actcnttgtc aaacccggta ccntccaatc 420
tntggctgct ggccctgcct tttcnntttc atggtggncg gccctgcttc cancttcctt 480
ttctttcatg g 491


<210> 486
<211> 518
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 22, 33, 60, 348, 357, 384, 408, 423, 446, 448, 491, 510, 517
<223> n = A,T,C or G

<400> 486
gcagaattcg cccttagcgg cncgcccggg cangtgggat cgcaaggctg aggatgccan 60
agagggacta tgaaaaagcc atgaaagaat atgaagggga ccgaggcgag tcttctaaga 120
gggacaagtc aaagaagaag aagaaagtaa aggtaaagat ggaaaagaaa tccacgccct 180
ctaggggctc atcatccaag tcgtcctcaa agcagctaag cgagagcttc aagagcaaag 240
agtttgtgtc tagtgatgag agctcttcgg gagagaacaa gagcaaaaag aagaggagga 300
ggagcgagga ctctgaagaa gaaaactacc agtactccca cagctcanaa gactcancgt 360
caggatccga tgagtagaac ggangaaggt ctctttcgct tgcctttnac ccccccgctc 420
ccnccatttt tggtccagtt ctctcntnaa tgcatcctgg ttctggcctc tgacatctct 480
ctgtggtgtg ntgcctaggc aggggggaacn ctacttnt                         518


<210> 487
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 331, 386, 403, 410, 417, 433, 441, 518
<223> n = A,T,C or G

<400> 487
tgcagaattc gcccttagcc gtggtcgcgg cccgaagctg agagaggtgc tttcattgat 60
caaagccaat ctttgaacat ccacattgct gagcctaact atggcaaact cactagtatg 120
cacttctacg gctggaagca gggtttgaag actgggatgt attatttaag gacaagacca 180
gcggctaatc caatccagtt cactctaaat aaggagaagc taaaagataa agaaaaggta 240
tcaaaagagg aagaagagaa ggagaggaac acagcagcca tggtgtgctc tttggagaat 300
agagatgaat gtctgatgtg tggatcctga ngaaagactt ggaagaacca gcatgtcttc 360
agtagccaac tacttcttga gcatanatag gatagtgggt tgnttgaggn ggtaagnttt 420
gctggccctg ttnaggcaaa ngagaattga ttacctgccg gcggccgtca aggcgaatcc 480
accactggcg ccgtctatgg tccactcgtc caactgcnt                         519


<210> 488
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 361, 388, 394, 400, 401, 404, 424, 426, 432, 465, 467,
470, 482, 491
<223> n = A,T,C or G

<400> 488
gcagaattcg cccttagcag tggtcgcggc cgaagtaaaa tactttattt agccaaatgg 60
tttcttgaat cttagctaca gagaaatttt tacattaaag aacatcatga ttatcacaac 120
aacttactta gcacttgcgt gtactaagtg ctgcactaag acattgtagt ttccagtgtc 180
ttgaaccaac ctgggaaaaa tatcagtggt gagggttcag tgtttgtata tggaggatgg 240
```

```
tgcaaactga attattccca taaagctgct tggtaattcc agagaaagca cacagccacc 300
ttctcattan aaggagggta gggataggtg ttatggtgaa aaactgagat gctgtggatc 360
nagggcagaa gacctaaaga aatctctntc cttntgagcn nccntgtgga ggactcgacc 420
tctncnatgg gnctgggagg acatcaggcc atttcttcga tgatntngan cccagaggag 480
cncttggagc nggtaataat tg                                        502
```

<210> 489
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349, 381, 429, 440, 452, 464, 467, 479, 495, 506, 507
<223> n = A,T,C or G

<400> 489
```
gcagaattcg ccctttcgag cggcccgccc gggcaggtaa aggaaacaca acctatttgt 60
gggagtttct tttagatcta cttcaagata aaaatacttg tcccaggtat attaaatgga 120
ctcagagaga aaaaggcata ttcaagctgg tggattcaaa ggctgtctct aagctttggg 180
gaaagcataa gaacaaacca gacatgaact atgaaaccat gggacgagct ttgagatact 240
actaccaaag gggaattctt gcaaaggttg aaggacagag gcttgtatat cagttcaagg 300
atatgccgaa aaacatagtg gcatagatga tgacaaaagt gaacctgtnt gaagattagc 360
aggactactg atgaaaaatc ntagaacaat gcctgctgca gaaagctctg aaacacatct 420
ctgtccagng gaaaaatctn cctatactgt cngacagaga aggngantag agtgtgatnt 480
ccttcctggc cgatnttatc agctcnn                                    507
```

<210> 490
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 336, 384, 397, 405, 415, 417, 439, 467, 470, 478
<223> n = A,T,C or G

<400> 490
```
ccaattatgc ccctgcaaag aacaggaaga agactgctgc aggcagggca tcagtggttt 60
ttgtggacag aaccctggat ctcacaggag cagttggaca tcatggagac aacttagtag 120
agaagatcat ttcagcactt cccagctccc aggccacaca aatgatgtga tggttaacat 180
gatagcgctc actgcactcc atactgagga ggaaaattat aatgtggttg caccaggctg 240
tctttcacaa tccagtgaca ccacagccaa agccctatgg gaagctttct gaacactaag 300
cacaaagaag cagtgatgga agttcggaac atctantgga agcggcagca gagaaacctg 360
ccatcagatg agtatgggag agtncaccgg acagctntgt ccttnttcac tcttnanaca 420
cctaaactct atgaatatng tggctctcac ttgactggac tgccggngcn taaggcantt 480
```

<210> 491
<211> 476
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 301, 421, 429, 463, 464, 469, 474, 475
<223> n = A,T,C or G

<400> 491
agttgtcata atgcaaattt tattttgatt agtttttgtg actcctttat cttaaaccca 60
gcgatgcttg ccacttccca aggtgtaaaa atgtgaagat taaggtaaac tgaatgtcga 120
ggagtgtaaa gagatggcaa aacacagata aaaacatcca aaaagcctct gggggcaggt 180
caagcttatg attcaacagt tagaaaacca aaattacttg gacatcccct tctacttaaa 240
gtgatatact ggaattgaaa atattaactg ttagttttag aaactaagat tcttgaagta 300
ngctcattcc agaatgcttt cttttttctt cctgaacaat tacatcaact tagatatcct 360
aatgttattt tagatatact ccttaaagca ttatgtcacc ctttcgagat gagaaattac 420
ntactaatna cttacattgt cttagactgg tttgtagata ggnncaagnc tagnng 476

<210> 492
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 326, 393, 402, 446, 451, 452, 477
<223> n = A,T,C or G

<400> 492
gtggagggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgccg ctttttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcactgcctt tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggacctcaga aagaatgcgt 300
gttacactct gtactctcca atgggnatat ttatcataga aatctaatac atattcttca 360
gtcttgaatc caacttctgg acagtacata gcngggtgct tntgaacgtg aaaggtacgt 420
cttgccttca ggctgccaag atgganaatc nngataaatg gaaggactcg gcccacnccc 480
t 481

<210> 493
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 399, 448, 459
<223> n = A,T,C or G

<400> 493
cgaagtctgt ttacagaaat atagttgcga agtatacaaa tgttccaata gaagcaaaat 60
atcttttaa tatttaacaa gttatcacag atagctaaaa acatagatgc aaatgaaatt 120
cccccagaga acaaactgaa aatatctggt atcagtgctc tgaaatccca actatgaaag 180
ccatatacac aaaaatgtaa cccttatatc attgcaggac aatggaagaa ggcagttcag 240
tggttgatca gtgtgctcaa gcaaataaaa ttaaataaaa attaaaaatg gcagaatggt 300
agctaaccct tgagaacagg gtaatgaaat tattggtcta tacttaaaca ttaagtaaaa 360
gaaggaatga actcattact gcccggcggc cgtcgaaang gcaattcaca cactgccggc 420
gtctagtggt cgactcgtcc acttgggnat atggcatant gttctgtg 468

<210> 494
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26, 37, 39, 79, 94, 96, 107, 134, 135, 299, 312, 327, 340,
371, 372, 383, 391, 394, 406, 407, 413, 419, 423, 448, 449,
452, 466, 471, 475
<223> n = A,T,C or G

<400> 494
tgcagaattc gccctttcga gcggcncgcc cgggcangng tcacctcttc taatctttta 60
atgtatttgt ttgcaattnt ggggtaagac tttntntatg agtactnttt ctttgaagtt 120
ttagcggtca attnngcctt tttaatgaac atgtgaagtt atactgtggc tatgcaacag 180
ctctcaccta cgcgagtctt actttgagtt agtgccataa tagaccactg tatgtttact 240
tctcaccatt tgagttgcca tcttgtttca cactagtcac attcttgttt aagtgcctnt 300
agttttaaca gntcactttt tacagantat ttactgaagn atttattaaa tatgcctaaa 360
atcttaaacc nnaaaaaaaa aangaaaata ntcnctaaaa aacctnngcg ganccctang 420
ggnaatccac cctggcggcg gtctaggnnc cnaccggcca actggngatc nggcntctgg 480
t                                                                481

<210> 495
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 367, 374, 393, 430, 475, 476
<223> n = A,T,C or G

<400> 495
tacattgtac agggctaggc aaccctgttc ttcccagaca gccatattaa atgaaagcca 60
ctaaagtgaa ctcttaatta cataaaacat atccattatc tgattgccct ttaggaagta 120
tactgaagat gcaagttttt ttcatctgga gttctgcctg accaagaatt aagcctataa 180
atctatcttg ccattcaagc agagagcact ggacaaactg aagcacaaaa acaaataagc 240
aaaacttata caaacagcat gggggttggg ggtgagggac ttaaaagtag acatgctaca 300
cctaatgcaa gaacagcttg gnttctttgc cagatatcct tgtgacacat ggattgagat 360
caatggnctc acanggatct aaaatgcatg ttntgatatg actaaagagc ctctggatgg 420
actcggcgcn accgctaagg cgaatccacc actggcggcg tctatgggat cgacnn     476

<210> 496
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277, 343, 354, 440, 447, 458, 460, 463, 470, 473
<223> n = A,T,C or G

<400> 496
ctgaaagaag cccaagtaca cgtatcctct ccagacattt gcaattggca tggaagacag 60
ccccgattta ctggctgcta gaaaggtggc agatcatatt ggaagtgaac attatgaagt 120
ccttttttaac tctgaggaag gcattcaggc tctggatgaa gtcatatttt ccttggaaac 180
ttatgacatt caacagttcg tgcttcagta ggtatgtatt taatttccaa gtatattcgg 240
aagaacacag atagcgtggt gatcttctct ggagaangat cagatgaact tacgcagggg 300
tacatatatt ttcacaaggc tccttctcct gaaaaaccga gangagagtg agangttctg 360
agggaactct atttgtttga tgtcttcgcg cagatcgact ctgtgccatg gcttgactga 420
gagccattct agacatcatn tcttctntct gctctgcncn gantgaaatn canaatgg   478


<210> 497
<211> 399
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 205, 246, 253, 292, 322, 333, 342, 345, 356, 386, 389
<223> n = A,T,C or G


<400> 497
cctggtcacc tctgtagcct actcttatga cacatgggtg gaggcaaggg taaccagagt 60
ccttgttctt tcttttgatt ggggtcatcc agcccttccg atgtgtggtc agggagcaga 120
gtcactgata ggatgttgag acttggagat caggaccaga cttttcccca ttcttgcatc 180
tggcctgtgc ttgggcagga cctcnggtga aggatgatct tggaatcacc cttttgtcag 240
ccccangaaa gantggctgg agtggcttct acaaacttct ctcattactt tncctcatgg 300
aactaagcct tatgtcatgt tntagaacac ganactgaac tncanagagt gctcanagac 360
accaggacac ctggcttctt ctttgntgna taaatgcac              399


<210> 498
<211> 471
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 62, 314, 357, 389, 391, 398, 470
<223> n = A,T,C or G


<400> 498
ccaaagcagc cagggaagag tgccctgtgt ttacaccgcc cggaggagag acgctggacc 60
angtgaaaat gcgtggaata gacttttttg aatttctttg tcaactaatc ctgaaagaag 120
cagatcaaaa agaacagttt tcccaaggat ctccaagcaa ctgtctggaa acttctttgg 180
cagagatatt tcctttagga aaaaatcaca gctctaaagt taattcagac agcggtattc 240
caggattagc agccagtgtc ttagttgtga gtcacggtgc ttacatgaga agtctgttga 300
ttattttctg ctgncttaag tgtccttcca ccactctgag cagatctgac ttatgtnagt 360
cactcccata cagggatgag ctcttatcnt nactttgnga agaagaaagt aaccacggtc 420
atgttttgtt gacctcagga ctctaatggc tgctgactcc taggtaattn t         471


<210> 499
<211> 65
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 5, 9, 10, 15, 22, 35, 38, 60
<223> n = A,T,C or G

<400> 499
ccccntaann gagtnaggtt cnattcacca gagcngtncg ctccccctct atcatgcatn 60
tatca                                                            65


<210> 500
<211> 343
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 133, 159, 182, 225, 229, 238, 260, 287, 288, 299, 309, 314
<223> n = A,T,C or G

<400> 500
cctacccatt ctcctagttt cttgttgtca tcaaccttaa ttaggttgat ttggtgttca 60
gcacaaaagg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120
caaagatggg ctnggcgcct tttcctaagt ttccggtang acggatgcca ttcagaactt 180
tngcgctaac accatgaact ccatgccttc ttccttgggt ggcangttnt gttccggntg 240
caagaaccca cagtattgan actgatacac ttacttgtct aaagctnngg cagcttcgng 300
aattcacgng ctangccatc ttggtgaagg cagtcttaca acc                  343


<210> 501
<211> 464
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 50, 284, 314, 317, 381, 384, 391, 445, 458, 464
<223> n = A,T,C or G

<400> 501
tgcgagaatg aagactattc tcagcaatca gactgtcgac attccagaan atgtcgacat 60
tactctgaag ggacgcacag ttatcgtgaa gggccccaga ggaaccctgc ggagggactt 120
caatcacatc aatgtagaac tcagccttct tggaaagaaa aaaaagaggc tccgggttga 180
caaatggtgg ggtaacagaa aggaactggc taccgttcgg actatttgta gtcatgtaca 240
gaacatgatc aaggggttac actgggcttc cgttcaagat gagnctgtgt atgctccttc 300
ccatcacgtg tatncangag aatgggctct tgttgaatcc aaattcttgg tgaaaattat 360
cccagggtcg gtgagacaag ngtnttgtca natctcaccc aaaagataat aatcttgaag 420
aatgcattga cttgttcaat tacgntttga tcacaacnca catn                 464


<210> 502
<211> 427
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
```

```
<222> 278, 287, 320, 335, 346, 357, 423
<223> n = A,T,C or G

<400> 502
ctggcctttc tagtcaagaa gactaaggtc aatatggaag tagacataag gaaaatagtc  60
ttggttattg agttgcagtc ccgggatctc cacagatgca tccagtatac ttgtagcggc 120
tacttcatcc agatgtcgga agacagagtt tagaacctct cttaaacgct tggtggatga 180
cttcttatgc ggctgcagga gcactgctgg aagttcactg gtagtccata cctgagcacg 240
gactccacaa acactctcaa ggcttgatgt ggatccangc aatgaangct tcactgaagt 300
tcaccttgac cagcgcacan ggggcctcac cctcnacctc ggccgnaaca cgctaanggc 360
gaattcacac actgcggccg ttctagtgga tcgactcgtc caacttggcg taatctggca 420
tantgtt                                                         427

<210> 503
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 320
<223> n = A,T,C or G

<400> 503
gtcctgttct gggagatggt catattcacc tgccaaaatc tgctggaatc ctttgatggt  60
ctccttcagg ggtaccagct tccccatatg acctgtgaag acctcagcaa cctggaatgg 120
ttgagacaag aaacgctgta ttttccgtgc acgggacacg gtcaacttgt cttcctcaga 180
aagttcatcc atacccagga tggcaatgat atcctggagg gatttgtagt cctgcaagat 240
cttttgcacc ccacgggcaa catcgtaatg ctcactgcca acaatgttgg gatccatgat 300
acgagaggtg gagtctagan gatccacaga ctcggccgcg acacgc             346

<210> 504
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 12, 13, 34, 46, 48, 62, 67, 71
<223> n = A,T,C or G

<400> 504
gtccgttaaa cnntcacgag cgatccccat aacnctgatg tcgagngnag aggataaata  60
tngagancca ngtcaca                                               77

<210> 505
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 319, 349, 354, 376, 391, 396, 407
<223> n = A,T,C or G
```

<400> 505
ccattaaagt gctggaaatt ttcttaatca tgataacatt tgttaaaaag aaatcagaac 60
taatatcagg aacatggcgg catgaaggaa acagttccct tacaaaacac agaaaatgga 120
agcccctcat gttgaggggg tgggttggac aatttgcaaa cagattctaa tttcctctca 180
ccgtcagcac caaactggct gggaccacca cccctgggtg aaagaaacaa cactaaagaa 240
ccctaaaaac acccacacac cctgactacc accacctctg ggcatctgtg ggcgtttgct 300
gttgaacaga tccagctcng aaagaagaag actgcctcgg ccgcacccnc taanggcgaa 360
ttcacacact ggcggncgtt ctatgatccg nctcgnccaa cttgcgnaat ctggctactg 420
ttctgtgcgg                                                       430

<210> 506
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 21, 51, 334, 337, 346, 394, 395, 405, 484, 493, 496, 502
<223> n = A,T,C or G

<400> 506
tgcagaattc gccctagggg ngtcgcggcc gaggtttttt ttataaaact nttattattc 60
tagcaataat aatgtgtgtt aattttagga atatagaaaa tacaaacaag caaaaggaga 120
aaaatcattc ataatcccac caccgagagg ctgtactttc tttcatcctt cacaagttat 180
gtccatatat gtaatataca aatgtctttt tacctttcaa aaatatgata ttcacatatt 240
acttagcctt tttccatttt atatcttacc aagaacctct tttttacaaa tgtgtaaagt 300
tcttttatta aaagacagag acttgtagat tggncanaat acaatnaaca atgagatgca 360
gatacaagag atcatctaaa ccattaatag cacnnggtat aagtngaatt ggccaaggat 420
atcaggaatg ctataaaagc aactattgga ttgtattcga taaatcagga actcataata 480
gggnaggtgg tcntanctca cnatcctt                                    508

<210> 507
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 294, 420, 425, 430, 455, 466, 467, 477
<223> n = A,T,C or G

<400> 507
aaatcctcct tgtcctaatt ggctatgttc ctaacttgtt ttctatcact acagtgaatg 60
ctgcaatact gatataagaa aaaataaaat aaaatagtaa cctctgcttc aatgtacagt 120
ttccagaatc tgccagaact ggggaactgg gcaacaaggc gttcataagt cttccgtgct 180
ttgtctatag gttgattcta aaattgaaaa ccaataaaca gcatttacaa tgttaggatt 240
atgaaaatat tattcactgc agaaccaagt agtgtgattg gacccataga gaangaaatg 300
taatctattc actaaacctg tgcctctcga atgagatgct caagcatcaa ggcatatgga 360
tctctctaat tctttccgtt tcttcacctt ctctgggaca tactcagact gccgggcggn 420
cgtcnaaggn gaatccacac ctgcgggcgt ctagngatcc actcgnncaa ctggcgn    477

<210> 508
<211> 172

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 11, 16, 18, 26, 61, 68, 85, 91, 93, 97, 103, 110, 115,
119, 125, 132, 135, 141, 144, 145, 154, 165
<223> n = A,T,C or G

<400> 508
cccccccnaaa naaagnangt tacaanttca ccagagccgt ctgttgcccc ttccggctat 60
ncatctcnat atctctagat acccntaata ntnagtntaa ttncccatan attgnaatnc 120
ggtanatata tntcnaaata ncgnnacaat tgcnctaaat tctangatat ca         172


<210> 509
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 312, 314, 334, 441, 451
<223> n = A,T,C or G

<400> 509
ctgtttacag aaatatagtt gcgagtatac aaatgttcca atagaagcaa aatatctttt 60
taatatttaa caagttatca cagatagcta aaaacataga tgcaaatgaa attcccccag 120
agaacaaact gaaaatatct ggtatcagtg ctctgaaatc ccaactatga aagccatata 180
cacaaaaatg taacccttat atcattgcag gacaatggaa gaaggcagtt cagtggttga 240
tcagtgtgct caagcaaata aaattaaata aaaattaaaa atggcagaat ggtagctaac 300
ccttgagaac angntaatga aatattggtc tatncttaaa cattaagtaa aagaagtgaa 360
tgaactcatt actgccgggc ggccgtcgaa aggcaattca cacactgccg ccgtctagtg 420
atcgactcgt ccaacttggc natctggcta ntgtttc                          457


<210> 510
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 222, 296, 398, 426, 440, 461
<223> n = A,T,C or G

<400> 510
tcctgatttt ttgtcttatt ccaactaagt agatcattat ctctttcctt ttttatgtta 60
atgagagaat ttagcctcca ctcaacaatg ttcaattcag caaggctttc atatccttgc 120
tgtgggtcgt ggataaggag cttattcagg tttcctgccc tagctattag ctccacttca 180
catgctggag accggcgtag ggacagatgt attcatcctg gngttactga aaaacaggtg 240
tgatcctgtt actgatacta taagtgacct aaaatgcact gttcaaatta gccagngtct 300
aacaaactaa actcttcaaa tgcttggaaa gatctacaaa gcaatcttat agaatgggcc 360
aaataaacta tgtgtttgca tggtattgta actccaangt cctggttctg ccgtgtctgg 420
agtgcncctg ctgggcaagn tcttggctgg tgagactgtg nctttcccta              470
```

```
<210> 511
<211> 513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 46, 65, 390, 394, 406, 415, 447, 451, 482, 508
<223> n = A,T,C or G

<400> 511
tgcagaattc gcccttaaga gagtcgcggc ccgaagngtc cggtcnctga aaggatttat 60
gtttntcttc gttagataag tgacttctga gcaagctgat ctccctggc atgctccaac 120
ctgattggac aaaggaagct ctatggcctg ggagagagac tattcttaat ttttctttct 180
tacaaaaact gatttttccc ataaatattt ttacttcaga ggactaggac cattttgttt 240
tgggcccttc tgctgaaaat ttgctcgttt aagaggcagc tagaatcttt accatatgta 300
tgaatttgta taattcattt ttggatagg ataaactttt gcttctgata aaagctggaa 360
ttcatctggc ctcacagcat gcgtgtgggn cttnctgagc ccgaanaggt ttggnaagat 420
ctgggatggc agtgttagct ttctganaga nacatacaga actgtcatct taagacctct 480
cntggatctc tttcagagat gcagtggntg agg 513
```

```
<210> 512
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 33
<223> n = A,T,C or G

<400> 512
tgcagaattc cccttcgagc ggccgccggg cangtgaacg tgtgatcacc attatgcaga 60
atccacgcca gtacaagatc ccagactggt tcttgaacag acagaaggat gtaaaggatg 120
gaaaatacag ccaggtccta gccaatggtc tggacaacaa gctccgtgaa gacctggagc 180
gactgaagaa gattcgggcc catagagggc tgcgtcactt ctggggcctt cgtgtccgag 240
gccagcacac caagaccact ggccgccgtg ccgcaccgt gggtgtgtcc aagaagaaat 300
a 301
```

```
<210> 513
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 47, 156, 254, 262, 315, 318, 330, 332, 338, 348, 354
<223> n = A,T,C or G

<400> 513
aaaaaaggtg cgggccantg caggggacac tgaaggattt gaggcangaa aactccgcga 60
taagagctgt ctatatggcc ctgtggcaga agcacggggg acacgacccc atggaactgt 120
gtccattaaa cctctttgtc ttcataaatt acccantctc gggtatttct ttattagcag 180
cgtgagaaca gactaataca gtaaattggt aatggtatag agtggggtgc tgctataagg 240
```

```
atacctcaaa atgnggaagc anattttgaa ctgggtaaca ggcaaaggct ggaacagttt 300
ggagggctca aaaanaanac agggaagacn tnggaaantt ttggaacntt cttnaaaa   358


<210> 514
<211> 519
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 361, 399, 405, 413, 425, 427, 434, 446, 461, 477, 489, 499
<223> n = A,T,C or G


<400> 514
aaataatttc ttaatttata tgaaataaag acaacccata tagtagactt acaaatattc 60
tatttcgcat tatattcaag actaaacatc ttccaaacca tattcatgaa atggtttgat 120
gatatgtgct ttggcggttt tcaagaaata tcaatcaaac cgtaattaaa tttcaacgta 180
tcggctaaac atccactgag cacctcctct tgcagttagc attagactaa gtgcttaagg 240
acaagtagtt tgatgcaata aattaggaaa tacatattta agacttatat tattcacaga 300
attcttggca tagttattta agttccttct gttgagaacc ttgagggttg gggtttcttt 360
nttcagtccc aaagctccgt tttgagtctc ccccttggng aattnaggtt tgnaggccgg 420
cggangncct gtcncctttg ccctgncaat ggcctcggcg naccctaggc aatcagnctg 480
cgcgtctgng accactcgnc cactgcgata tgctgtgtt              519


<210> 515
<211> 393
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 361, 362, 367, 376
<223> n = A,T,C or G


<400> 515
aaagatcaac ttttattgta acaaatataa agtcatcaat gttttacaaa ttgtcaaaaa 60
tgctttaagt acaaaaaata cattagtaaa atgaaagtta tgttgtatta tttggtatac 120
acttaatact gccaacatgc ataacacatg ccagaaaagc tcatgcatta ttggaagaga 180
aaagaaatgt gatgtaactg ctatattgtc tgattataaa ttcattgctt cagtcagttt 240
tctttcttca gggataccat ttacctgcaa tgtgtaagaa tgaatatggg caggagttag 300
tcagggcatg gatactttta gattttgagc caagcaaatt attgcaagga gaaaagttcc 360
nntttcntaa ttccanggaa ataatacat tgc               393


<210> 516
<211> 396
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 370
<223> n = A,T,C or G


<400> 516
```

```
ccagagtaag tcctgtaaac acagaattaa attaggggac tcaagcaact attattatat 60
ttctcctttt tgcagataca ggatcacttc tgtatgtaac ttttttacat acattcgata 120
cattcagcag ggactcgtga aacagcagga tgttgatcag atgttttggg aggttatgca 180
gttgagaaaa gagatgtcat tggcaaagct gggttatttc aaagaggaac tctgatgctc 240
tgcgtgggac catgcctgaa ctccccgaat aactgaaaaa tggctgaata tttttatggt 300
tacttgatat ttatttccaa ggagtgagcc taagactttt ttcccctttt gcaaattgct 360
ctaagaaagn cccataattc ttttacttcc cgggcg                          396
```

<210> 517
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 309, 340, 352, 358, 375, 390, 410, 413, 414, 438, 440, 444,
452, 485, 491, 501, 514
<223> n = A,T,C or G

<400> 517
```
aaataatcca ggcaggagaa gagaggaggg cacacttgga actcccctcc ccacaatacg 60
tgattattta cattttagta attggacaat cccggctcag gaggaggttg caagaatctg 120
caaaagttgg agggagcgcc ccaggagaac aaacagcaag ccttatttcc cctagcccat 180
cccccaaaaa accatccatc ccatcctagt gtctggtggt gtccggtggt gtccatcttc 240
cattccttcc caaattatgg aagtaaggtt cttctcacca gaataagagc acttgggata 300
acagagtang gtcccctcac ccaaaaaaaa aaaaaaaaan ctttgggga anaaaaangg 360
gttttccttc ccccnaaaaa aaaaaaaatn ggggtttggg gggggaaan ccnntttccc 420
cccattttgg gccccctngn tttnggggaa angggccccc ttttccaaaa aaaaaaaaac 480
ttttngggg ntttttgggga ngggaaaacc cccnttcccc cc                  522
```

<210> 518
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 361, 365, 399, 410, 415
<223> n = A,T,C or G

<400> 518
```
aaagctaatt agtacatttt atatatcata aaaatatttt tagtatattt tcatgaaaat 60
gctatagact tttgcctatt gcccaacaaa gtagctaata attcttatat ttttgtttca 120
gcctattctt cggaacagca ctttagtagc ttcttaaagt tatattcaaa gttgaaactg 180
cagccataaa tatttccaag agccacattc ttccaaccag acagctaatt actacagtca 240
ttatctgggc atatgtaccc acagttgatg ctttgctgtt gctgctgctg ctgctgccac 300
tgctagagac agactctgcc agcaggctga aagttctgga ttctacccca accacattat 360
ncagnataaa atcaatctta ttaatttttc ctgtctaang gggagtaagn ctggngaagt 420
tggcccaaca g                                                    431
```

<210> 519
<211> 572
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 397, 424, 431, 446, 495, 497, 504, 510, 519, 526, 539, 551,
558, 567
<223> n = A,T,C or G

<400> 519
ctggagacct tcaaagctgt gcttgatgga cttgatgtgc tccttgccca ggaggttcgc 60
cccaggaggt ggaaacttca agtgctggat ttacggaaga actctcatca ggacttctgg 120
actgtatggt ctggaaacag ggccagtctg tactcatttc cagagccaga agcagctcag 180
cccatgacaa agaagcgaaa agtagatggt ttgagcacag aggcagagca gcccttcatt 240
ccagtagagg tgctcgtaga cctgttcctc aaggaaggtg cctgtgatga attgttctcc 300
tacctcattg agaaagtgaa gcgaaagaaa aatgtctacc cctgtgcttg taaagaaact 360
tgaaaaattt tgccattgcc attgcaggat ttcaaanaat gaatccttga aaaatgggtg 420
ccanaacctg ncccgggccg ggccgnttca aaggggcgaa atttccagcc cacttgggcc 480
ggcccgttta cttangnggg aatncccaan ctttgggtna cccaancctt tgggccgtna 540
attcattggg ncattaanct tggtttnccc tt 572

<210> 520
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 189, 271, 286, 300, 307, 311, 315, 363, 370, 373, 384, 400,
403
<223> n = A,T,C or G

<400> 520
gccctgggta tgattgggct ctctcagcgc ttgctgtccg tgttgtcctt tggcaagaga 60
ggacggtcct aggattgcat cagtctggtg gtctggtgga gcgggtgggg tgctggactg 120
ggtagagggc ccagggttct gacctgggtg gatgatgggt gaatggtcct gaactctctg 180
ctccctctnt cagtgtctct tgggcttcta tggagcttcc ctcttgtgct ggaaacctct 240
tttccatctt ggaaatgcct ctgcccacat ntgggaagtg ccatancctt gagtgaattn 300
atttgtntat ntatnaaatc ttttctct ctcaggatac atcattcact ttttggggac 360
ctnaaagaan ctnattaact gatnaatttg tgaaactaan aant 404

<210> 521
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 349, 351, 375, 385, 421, 432, 443, 449, 471, 497, 548
<223> n = A,T,C or G

<400> 521
cctcaccaag tcttggctgt ttctagctag ctctataaac tttttcagc ctctgttcat 60
tacccagttc caaagctgct tctacatttt cagatatttg ttatcagcaa aaaccccacc 120
tcttggtacc aattttcagt cttactctgt tttctgatgc atatagcaga atacttgaaa 180
ctgtataata tataggaatc aaaatgtatt tcctacagtt acaaaggctg ggaagtccaa 240
```

```
ggtggagagg gcacatctgg caaaagtctt cttgctagtg gggactctcc actttggcag 300
aggtggcaca gggaatcaga tggtgagggg gaagaacatg ctanctcang nctgttttct 360
cttcttataa agcancaatt ccttntccaa tgataatcca taattcatta acccattaat 420
nttggaagct tnttattttc ctnttaaang gccctacctc tcaaaactgg nattattggg 480
ggaataaagt ttcaccntga gtttggaggg gctgaacatt caaactatag cataacacac 540
atgcttcncc cttga                                                   555


<210> 522
<211> 241
<212> DNA
<213> Homo sapiens


<400> 522
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
a                                                                  241


<210> 523
<211> 428
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 343, 355, 360, 367, 411, 412, 425
<223> n = A,T,C or G


<400> 523
ctttgggaaa gttggtatga agcattacca cttaaagagg aaccagagct tctgcccaac 60
tgtcaacctt gacaaattgt ggactttggt cagtgaacag acacgggtga atgctgctaa 120
aaacaagact ggggctgctc ccatcattga tgtggtgcga tcgggctact acaaagttct 180
gggaaaggga aagctcccaa agcagcctgt catcgtgaag gccaaattct tcagcagaag 240
agctgaggag aagattaaga gtgttggggg ggcctgtgtc ctggtggctt gaagccacat 300
ggagggagtt tcattaaatg cttactactt ttaccttggc cgngaacccc cttanggcgn 360
aattcancac ctggcggccg ttctagggga tccaacttcg gaccaacttg nntaacatgg 420
catantgt                                                           428


<210> 524
<211> 656
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 387, 406, 411, 447, 517, 556, 569, 586, 588, 593, 609, 628,
635, 639, 640, 648
<223> n = A,T,C or G


<400> 524
aaaaagacac agtgggcaat aagaatttgc cctatgactc ctgagaaaag ggacatccta 60
aaatggaact actgaatcca accatgtggt tacaatatat taggaatcac tctgtttcaa 120
ctttaagatt ctattaattt attcttacaa caaataacca gtgggtttat tctatgggct 180
```

```
aggtattcat ttagatgcta ggggtacagt agtgaacaaa acagataagc agtcctgctc 240
ttgtgaatgc atctgacaat acatttgaca attcaaatct ctctctctcg ctctcatatc 300
actgacctag tatttgaaac ctgatgtaac taattaacag attaactatt aggtaccctt 360
ctgaatgata ctctaagcac acatatncta ttccagaaag aaaaanggta ngaaaaaagt 420
ttttgggata gcttaaaata ttcctcnccc caaatagctt ggggtcttca aacagaattt 480
ctggatcacc ttcaatttcc cgcttttatt caaaaanggc attgtggttt aactttttta 540
acctttgggg ccgggnaacc ccccttaang gggcgaaatt tcccancncc acnttggggg 600
ggccggttnc cttagtgggg aatccccnaa ctttngggnn ccccaaanct ttgggc    656
```

<210> 525
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 306, 307, 313, 316, 317, 329, 335, 343
<223> n = A,T,C or G

<400> 525
```
attctctgta cgcccaggga aagcggcgtt atgacaggaa gcagagtggc tatggtgggc 60
aaactaagcc gattttccgg aaaaaggcta aaactacaaa gaagattgtg ctaaggcttg 120
agtgcgttga gcccaactgc agatctaaga gaatgctggc tattaaaaga tgcaagcatt 180
ttgaactggg aggagataag aagagaaagg gccaagtgat ccagttctaa gtgtcatctt 240
ttattatgaa gacaataaaa tcttgagttt atgttcagaa aaaaaaaaaa aaaaaaaaaa 300
aaaaannttt ttnccnnccc gggggggcnt ttaangggga aantcccccc ccctggggggg 360
```

<210> 526
<211> 53
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39
<223> n = A,T,C or G

<400> 526
```
tattacaatt cactggccgt cgttttacaa cgtcgtggna cctaactggc tct         53
```

<210> 527
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 331, 342, 344, 365, 369, 380, 385, 419, 420, 424, 453, 474,
483, 495, 512, 513, 529, 532, 533, 539, 544
<223> n = A,T,C or G

<400> 527
```
cctctgagga agggacaaag gagctgggac cggactggct ctctccgagc tttgagacca 60
```

```
agtctcctgc acagaaggcc cagcaaaggc aaagactagg aggcagcagc accctgtgtc 120
atccagaagt gcaggggaca aggtgtggga cgccagatgg aagtgggaga ggatggaagt 180
gtgaagaccg gaaaggccat cccctcctaa aactccatgg acacaacaat ctgaatgtgc 240
gaacttcagg cagttctaac tttgtcccag ccaaaccagt cccggaacaa aacacacaat 300
gccttgagat ggaaaagact gaaaccccta naatgactta tntncgtaat tttattcttc 360
ccccnactng ggcttcttgn ggaanaaaaa attttgcttg gaaaagaaag cttaaaacnn 420
attnccttga gggttttta cccttcggcc cgngaaccac cctttaaggg gcgnaatttc 480
cancccact tgggngggcc ggtttcctta gnngggattc cgaaacttng gnncccaanc 540
cttnggcggt aaat                                                  554
```

```
<210> 528
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 339, 415, 431, 470, 476, 488, 492, 512, 518, 520, 526
<223> n = A,T,C or G

<400> 528
ctgagatacc cctgctgctg tgtcaaggaa agggctttat ttgtgaattt tgccagaata 60
cgactgtcat cttcccattt cagacagcaa catgtagaag atgttcagcg tgcagggctt 120
gctttcacaa acagtgcttc cagtcctccg agtgcccccg gtgtgcgagg atcacagcga 180
ggagaaaact tctggaaagt gtggcctctg cagcaacatg atgcccctga gtactgtgaa 240
aaagactgtt caacatgcct tatgataaca ccgatttgtg tctattattg gtgacattgt 300
tttagatatt gggtattgta tattaaggaa aaagatggnc tatattctct ttattggata 360
tacttaatgg ttcaaaagaa tgcaaaatct gggtttaac cccagggctg atagntgggg 420
gttttggtta ncaaatgttc tggtttgggt gctattgggt ttttaacttn ggccgngaac 480
cccctaangg cnaaattcca acacacttgg cnggccgntn cttagnggga atccca     536
```

```
<210> 529
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 345, 366, 396, 416, 417, 446, 461, 473, 535, 538, 539, 556,
559, 574, 585, 601, 603, 619, 627, 634, 640, 647, 670, 681,
695, 697, 702, 707, 709, 712, 717, 728, 733, 738, 752, 757,
758
<223> n = A,T,C or G

<400> 529
aaaaatataa cacagtcaat ataaacatgt actgggaatt ataaaccatt ctttcttcta 60
agcactggat gagatactaa aaacatacag tatcttacca atagccatta aaataggcta 120
aaatgaaaaa gaaaccgttg taacaaggtt actaatcccc caactttcaa tgctgagttc 180
cttcatcatc catgtgcaat ccagagatga catctagcag ggtggtaaaa ttattctgga 240
aaatgccaac tgtacttaga caaaataagt taattctata tggttgtcca ttaaagtttt 300
atgtggctat ggttccactg gagctaaaaa ttggctttta actgnttccc aaatcaagaa 360
ctagcngaag gagaagaaag taaattaaag ccaatnggca cttccctttc agaagnntca 420
aaaatgggtt agaaattttg atgcanaatt taacccttaa ncggaagttt cangtcagtc 480
cattttaaga atgaatccct ggtaggggtt cattaccaaa ataccacctt gaaanccnnt 540
```

```
tggggtttaa acttcnttnt ttcccttttcc cttnaaaagg ttttnttgga ttaaaaggaa 600
nancttcttt cccttgttnt ttggggnagg ggancttggn cattaangtt caaaaatttg 660
cctcaaaaan gggttgggaa nggacccttt aaggncnagc cngaaantna tnaaccnact 720
ttttttancc ccnggctnac actaaaactg gntgtannct ggaaccct           768
```

<210> 530
<211> 745
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 400, 402, 430, 451, 500, 509, 524, 541, 563, 572, 603, 611,
626, 634, 668, 723, 728, 732, 738
<223> n = A,T,C or G

<400> 530
```
aaactccact gctgaccctg agtgcattcg ctatccctc acctattttg ttttgggaca 60
aagtctcgct ctgtcaccca ggctggagtg cagtggggca ctctcagctc actgtaacct 120
ccacctcctg ggttcaagcg attctcatgc ctcagcctgc caaatagctg ggattacagg 180
cacatgccac aaagcccggc taatttttat attttttagt agagatgggg tttcaccatg 240
tcggccagcc tggtctggaa ctcctggcat caagtgatct acctgccttg gcctcccaaa 300
gtgttgggat tacaggtgtg agccaccacg ccccgggcca aagccaaaag gtcttggaaa 360
gggggacttc attcccatca ttgaagggtc ctacccttn tngaaccttq ttcttaaact 420
ttccccttan ccaaaagggc ccccattttt naaaatccaa tccacaattt gaaggggtta 480
aaggggttcc aaccacatgn aaattttttng gggggggaaa acangtcccc attctttaa 540
ncccaaatgg ggcaaatttt ggngcctttg gnaacccca cttcttgggt caacctttta 600
aanggggggga nttgggcctt tttgtngcca aatngaacag ggttttttcc acatggtggg 660
gccttttnaa aaaaaattcc cttttgtgtt gaaaccaaaa accttgcccc ggggggggc 720
ccnttttnaa angggcnaa aattt                                      745
```

<210> 531
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39, 375
<223> n = A,T,C or G

<400> 531
```
ccagcttcga gaaagagttg agaagttaaa catgctcanc attgatcatc tcacagacca 60
caagtcacag cgccttgcac gtctagttct gggatgcatc accatggcat atgtgtgggg 120
caaaggtcat ggagatgtcc gtaaggtctt gccaagaaat attgctgttc cttactgcca 180
actctccaag aaactggaac tgcctcctat tttggtttat gcagactgtg tcttggcaaa 240
ctggaagaaa aaggatccta ataagcccct gacttatgag aacatggacg ttttgttctc 300
atttcgtgat ggagactgca gtaaaggatt cttcctggtc tctctattgg tggaaatagc 360
aaaacttgcc cggcnggccg ttcg                                      384
```

<210> 532
<211> 589
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 362, 394, 408, 441, 446, 450, 510, 522, 530, 537, 545, 546,
567, 580, 582
<223> n = A,T,C or G

<400> 532
ctgctgcttg tgctgccatg tccgcaccgg caccatcctg ctcggcgtct ggtatctgat 60
catcaatgct gtggtactgt tgattttatt gagtgccctg gctgatccgg atcagtataa 120
cttttcaagt tctgaactgg gaggtgactt tgagttcatg gatgatgcca acatgtgcat 180
tgccattgcg atttctcttc tcatgatcct gatatgtgct atggctactt acggagcgta 240
caagcaacgc gcagcctgga tcatcccatt cttctgttac cagatctttg actttgccct 300
gaacatgttg gttgcaatca ctgtgcttat ttatccaaac tccattcagg aatacatacc 360
gnaactggct tcctaatttt cctacaaaag aatnatgtca ttgtaagnga atcctacctt 420
ggttggggcc cctaattaat ncttcntggn taattaacat taatctttga cttttaaagg 480
ggttaacttg gaataagcct tggggttttn ggaaactgct tncccgaaan ccattcnaat 540
ggggnnggga aacttccttt ggatggnccc tggggtttan tnttaaccc         589


<210> 533
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 373, 374, 382, 385, 398, 404, 408, 413, 416, 419, 423, 444,
456, 468, 483, 489, 493, 494
<223> n = A,T,C or G

<400> 533
ctgccgatgt agcctcggta ggtggctatt agagctctac catatacagt ggtgcatctt 60
caaatttatg catcaaacta aagacatgtc caagtccatt ttaatttcct cagtggtttt 120
atgagaagtt ttatgggcct cccccaattg tctttttatt ttgggttatg acgatcatgt 180
ttgataatta caatgatagt ctctttccac gtgatgcttt tgtttgaacc tgataaaatt 240
tagtgaaact ttgtaatgat ctatgtgcac ttttacttgt aaaatggaat ttctgtatgt 300
ttatacttgt aaatatgatt gttgttagtg ctcctgttgc tcatggtgtc ctgcctcgca 360
tttggtgaat ctnnttaatg ancangtatt cttaactnat ttcntaantg ggngtnggna 420
atnaggggaa aatggggca aggnggggggg ggtaantttg gcccccntg aaattctcca 480
ttnaaattng ggnntctttc cc                                       502


<210> 534
<211> 245
<212> DNA
<213> Homo sapiens

<400> 534
aaattaaaaa taattattaa aaaaggaaa actttaagga attcacaatc aattgcctga 60
ctcattttga tgtcatgtac agcatatgga ggtcaggaag gctatttgca gcacatgtga 120
ttaggggcta ctgatcttca gggtttagct ttcttccaaa cagtgtaaaa tacccacaat 180
tccaagtatg aagggacaca gacgatctcc tttgaaaatt ccacaggaca atacaggcgc 240
cccag                                                          245


<210> 535
```

```
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 345, 346, 361, 385, 391, 394, 396, 409, 428
<223> n = A,T,C or G

<400> 535
cgagacagtt actcaagcag ccgaagtgat ctctactcaa gtggtcgtga tcgggttggc 60
agacaagaaa gagggcttcc cccttctatg gaaagggggt accctcctcc acgtgattcc 120
tacagcagtt caagccgcgg agcaccaaga ggtggtggcc gtggaggaag ccgatctgat 180
agaggggag gcagaagcag atactagaaa caaacaaaac tttggaccaa aatcccagtt 240
caaagaaaca aaaaaaagag tggaaactat tctatcataa ctacccaagg actactaaaa 300
ggaaaaattg tgttaccttt tttacctgcc cggggcgggc cgctnnaggg cgaatttcag 360
ncactggcgg ccgtactaag tggantccaa nctngngccc aagctttgnc gtaatcatgg 420
catagttntt ctgtgacc                                              438


<210> 536
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 354, 362, 368, 376, 377, 387, 400, 402, 412, 418, 421, 424,
444, 454, 470, 472, 508, 511, 528, 529, 536, 543, 549, 557,
576, 583, 600, 601
<223> n = A,T,C or G

<400> 536
gagagcgagc tgagtggttg tgtggtcgcg tctcggaaac cggtagcgct tgcagcatgg 60
ctgaccaact gactgaagag cagattgcag aattcaaaga agcttttttca ctatttgaca 120
aagatggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
agaatcccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacactgaca 300
gtgaagaaga aattagagaa gcattccctg tgtttgataa aggatggcaa tggntatttt 360
antgcttnaa aacttnncct tgtgatnaca aaccttggan anaagttacc anatgaanaa 420
nttnataaaa tgatcaggga accnatttga tggngatggg caagtaactn tnaaaagttt 480
tcaaatgata cagcaaatga aacctttnca naatgtgtta aattcttnnc aaattntta 540
ttnccttnt tttttgnact tttttaaag gttttncttc tgnaaaaaaa ttgcttttn 600
naattagga                                                        609


<210> 537
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 328, 357, 364, 394, 404, 405, 407, 418, 427, 433, 436, 443,
449, 466, 470, 471, 485, 490, 515, 516, 524, 529.
<223> n = A,T,C or G
```

<400> 537
ctcaaatgta taaaccatta agtagtcaaa tggctacagt gaaaaacagt attttatagt 60
aggtatagat aattggcaca gataagctca gaaaagaatg atcagttctt gctggagtaa 120
ttctagggaa atggctttca tggagaaaag gaaaagagga agtgtagtat cagtctatgt 180
tgtctattgc taatgtggaa tggtgttttc tgcttctacg ccttactgat tccagttttt 240
atatttagaa aacaaattaa gtgaagcttc tggaggtagg gctgaaaatg gtgaaagaag 300
tgacttggaa gaggacaacg aaaaggangg aaccggaaat ggaaccattg atgctgntcc 360
tgtngatgaa aatctttttca ctggaaaagg attnggatga cctnnanaaa gaattaantc 420
cccttgnttt tanaanaatg acnccaacnc accttgaaaa attaanttan nttcacccca 480
agttnaaatn gcctccatta atttctttcc ccctnnaatc accnggatnt ttatttccta 540
tgct 544

<210> 538
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 264
<223> n = A,T,C or G

<400> 538
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaa 279

<210> 539
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 313, 334, 340, 351, 354, 365, 371, 394, 432, 440, 453,
458, 464, 468, 470, 479, 482, 494, 495, 511, 512, 516, 525,
532, 534, 547
<223> n = A,T,C or G

<400> 539
ccgcctgcta ctgantaagg ggcattcctg ttacagacca aggagaactg gagaaagaaa 60
gagaaaatca gttcgtggtt gcattgtgga tgcaaatctg agcgttctca acttggttat 120
tgtaaaaaaa ggagagaagg atattcctgg actgactgat actacagtgc ctcgccgcct 180
gggcccaaa agagctagca gaatccgcaa acttttcaat ctctctaaag aagatgatgt 240
ccgccagtat gttgtaagaa agcccttaaa taaagaaggt aagaaaccta ggaccaaagc 300
acccaagatt cancgtcttg ttactccacg tgtnctgcan cacaaaccgg nggngttttg 360
ttttnaaaaa ncagcgtccc aagaaaaaat aaanaaaaag cttgcaaaat attcttaact 420
ttttggacct tngggccgcn aaccacccett aangggcnaa attnccancn cacttgggng 480
gnccgtttac ttannggaa tcccaaactt nnggtncccc aaacntttgg gngnaaaatc 540
attgggncat ttaac 555

```
<210> 540
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 337, 340, 399, 447, 470, 478, 483, 486, 495, 497, 525, 547,
548, 568, 602, 613, 623, 652, 658, 661, 669
<223> n = A,T,C or G

<400> 540
ctgattaatc attgttgatg actgcagttt ttcccatcct tcccgattta catctgttca  60
ggccaattca aatatggtga gtaaatgaat tagacatgca aattcaagcc ccaggctaga  120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct  180
aggcgagaag aaagattctt ctgcctgata gttattttaa tgctctaaaa atcctgcaaa  240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggcttctg  300
gaggaagtga agagctatgg aaacacacac atagtgnggn aaaatttcac attttttaaa  360
aattttttaa aaaccaccga atatggatac agtttatanc tttacatatt ccttttggcc  420
cttaaggctt atttagtttt tagcatngtc cccaaatggc ttcagtgggn tttcctgntt  480
ttnaanggcc ctttnanaaa tagggggagct ccttgggccc gaatnaatcc aaaatggaac  540
tccccgnntt gccaaaaaac ttgatttnaa atagtcccct tggggaaaag catttccctt  600
anctcctgac ttnaatgccc tanttggccc ccttgggcgg aaccctttag gnaattcncc  660
nctgggggnt ttttgggg                                                678

<210> 541
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335
<223> n = A,T,C or G

<400> 541
ccagagaagc aagtgtactg atatccaaga gcaggagaaa atagatgtcc cagaacaagc  60
agagaggctg attttgtcct tcctctgcct ttttgtttca tatggggcac tgaatggact  120
gatgcccatc cacattattg agggtggatc ttctgtactc agtctaccag tagaaatgtc  180
aatgacttcc agaaacaccc tcaccaacac acgtggaaat aatgttttac caggtatctg  240
ggcatccctt ggttcactca agttgacaca aaattaacca tcacagaagg agactggcct  300
tactctgaaa ttaggaaact aaagaaagtg accanaatgg aaact                  345

<210> 542
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 337, 343, 367, 379, 382, 391, 395, 410, 420, 448, 451, 460,
461, 471, 475, 479, 491, 494, 495
<223> n = A,T,C or G
```

<400> 542
aaaactcgtt tcagacagtt tgtctgaaca tgagaagaac aagaacaaag agggagatga 60
taagaaagag ggaggtaaag acagagcttt gaaaggagtt ttgcgagtgg gagtattggc 120
aaaaggatta cttctccgag gagatagaaa tgtcaacctt gttttgctgt gctcagagaa 180
accttcaaag acattattaa gccgtattgc agaaaaccta cccaaacagc ttgctgttat 240
aagccctgag aagtatgaca taaaatgtgc tgtatctgaa gcggcaataa ttttgaattc 300
atgtgtggaa cccaaaatgc aagtcactat tacactngac atnttccatt tttccaaaaa 360
aaaaccntga gggaaggana tntaaccctt nggtnttggt gaaagacccn ccggaccttn 420
ttggacaggc aaaaaatgcc cttgaccntt nttggcttgn nttttccccc ncccntaant 480
gggttccagg nttnnaactt aaatgggctt gcca 514

<210> 543
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 346, 362, 370, 388, 408, 455, 464, 472, 484, 492, 493, 501,
510, 515, 521, 524, 527, 538, 550, 560, 567, 579, 582
<223> n = A,T,C or G

<400> 543
aaagtttgtg cctgtaatac agtccgtgat atactggaag gcagaacaat tagtgttcaa 60
tttaaccagc tatttcttag accaaataaa gagaaaatag actttcttct tgaggtatgt 120
tcaagatcag taaatttaga aaaagcttca gagtctttga aaggaaacat ggctgctttt 180
ctaaagaatg tgtgtctggg gttggaagat ctgcagtatg ttttcatgat ttcttcacat 240
gagcttttca ttacattgtt gaaagatgaa gaacgaaagc tacttgttga tcagatgagg 300
aagagatccc ctagagtaaa tctgtgcatt aaacctgtta ctttantta tgatatccca 360
cnttagcaan tgtcaacatt ggcagttnga gcatcaactt atattggnca gtggatcctt 420
ggaggattag accaaattta attgaataca tgggntgact ttanaacccc cntctggacc 480
gggnttaata annggggaaat nccttttttgn ttttnggggg ntanccnggg aattaaanaa 540
atttaacaan aaaatttggn tttttntttt tggaccttnc cnggggggcc 590

<210> 544
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 329, 359, 361, 363, 405, 440, 443, 447, 459, 461, 465, 469,
472, 486, 487, 489, 499, 512, 516, 530, 532
<223> n = A,T,C or G

<400> 544
aaatttctcc ctttgtgtga gtatgactat agttctggcc tggtgttttc tatttattta 60
gttttagatg tcagcatttt actatacttg gtcctctcac ttcagaataa cagggctatt 120
tattgataca aaggagaggt gttcagatca tcttgttaag atgcagagct caaaataaac 180
actaaatctt tatttggaga tccacatcct tcctcaaagg aaggctcatg agtaaatttg 240
tatgcagtat aaagcccaag tagagggtgt atttttaatg actactttgc ttacatttta 300
gattgtgcaa atgtctcaat caatgcttnc aggaatgtgg accttcctca gttttagcna 360
nanaacccctt gaccaataaa atactgttgc atgctttcca ataanctgag ggattgggat 420
agaaatgctt atctacccgn ttntgangga gaaaacaana ncagnggcnt gnaaaatttt 480

```
ccaacnnana atcgtaatng ggttcaaatg ancccngtaa aaccattttn tncccttagg 540
ggggaaaacc cc                                                    552
```

```
<210> 545
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 340, 343, 354, 363, 368, 376, 383, 405, 407, 414, 417, 460,
462, 474, 477, 488, 511, 519, 535, 554, 557, 559, 566, 568,
577
<223> n = A,T,C or G

<400> 545
ggcggctacc agtgtaaagc cagagctgag gttcttgata gtccacaatg ggtgaaccac 60
agcaagtgag tgcacttcca ccacctccaa tgcaatatat caaggaatat acggatgaaa 120
atattcaaga aggcttagct cccaagcctc cccctccaat aaaagacagt tacatgatgt 180
ttggcaatca gttccaatgt gatgatctta tcatccgccc tttggaaagt cagggcatcg 240
aacggcttca tcctatgcag tttgatcaca agaaagaact gagaaaactt aatatgtcta 300
tccttattaa tttcttggac cttttagata ttttaataan ganccccttgg agtnttaaac 360
canaaganaa actttnaaga atnttaagct tcttttttgt ccccntnctt cttnttntaa 420
atgaattccc gaccccacca agcaagaaaa aaaccttgan antcatgatt gganggncca 480
aaaacctnca acgggtttga aacagaactt ngggccgcna ccacccttaa gggcnaaatt 540
ccacacccct gggnggncnt tacttngngg ggatccnaac tttgg             585
```

```
<210> 546
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 350, 378, 386, 392, 444, 494, 514, 515, 533, 555
<223> n = A,T,C or G

<400> 546
aaaaagcaat ttagattttta cgtgaattag acgggtgtgt cttactccca tccagataaa 60
atatgggcag ggaagcctgg actcctggag atgttcctgc aggaagtcca tgggcacctg 120
agtagttgga atgggaaggg agagtttgac ccgagacaga gcatgagctc ctcccaggaa 180
caaaggcttt atgaaaatat cctgcttccc atccctggga gagggtcagg gtgggcggaa 240
gggtcaggag aaagaaagat catcaaagaa gaaagtcaac caaaaactgg aaaagagcgg 300
acccatccca ttgtttccac tgaattcatg tcatgagaac aagacttctn ggggcccatt 360
ttcctgtttc tcttgccntt ttcttnatga anaatcttgt cttggactta tgggccctgt 420
aacagttttg gacagtcaag ggcnccaggc tatcaaacct cggccgcgac ccccttaagg 480
gcgaatttcc accnccttgg cgggccgtac ttannggaat cccaacttcg gtnccaacg 540
ttgggcgtaa tcatnggcaa tag                                       563
```

```
<210> 547
<211> 337
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 15, 310, 328
<223> n = A,T,C or G

<400> 547
aaatatcaca agtangtctt aagtgtcatc tggcatcttc tttctgtagc caggtaactc 60
ttagatctta ttcatcagcc tgctgaacag ttcctttttc agagacatag ataccatcca 120
aaaatttcct gatatccttg tttttaactg ttgtggcttg ctgaatcaaa gccgctgaat 180
ttgaaacaag ctcaatgtca tttccttcaa ggattaattc atctttctgg gcttgagata 240
ctgaacaagc aacacctggt ctcatccgaa ccctgcggat atatttttca cccaagaaat 300
ttcggatttn aacaagagac ccattctnct ggataac 337

<210> 548
<211> 390
<212> DNA
<213> Homo sapiens

<400> 548
cctttacaga aacatttta gtaatgagga tgagaacttt ttcaaatagc aaatatatat 60
tggcttaaag catgaggctg tcttcagaaa agtgatgtgg acataggagg caatgtgtga 120
gacttggggg ttcaatattt tatatagaag agttaataag cacatggttt acatttactc 180
agctactata tatgcagtgt ggtgcacatt ttcacagaat tctggcttca ttaagatcat 240
tatttttgct gcgtagctta cagacttagc atattagttt tttctactcc tacaagtgta 300
aattgaaaaa tctttatatt aaaaaagtaa actgttatga agctgctatg tctaataatc 360
tttgctttcc aaagggttgg ggtttggtgg 390

<210> 549
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 322, 323, 325, 338, 346, 348, 351, 358, 360, 373
<223> n = A,T,C or G

<400> 549
ctgccgatgt agcctcggta ggtggctatt agagctctac catatacagt ggtgcatctt 60
caaatttatg catcaaacta aagacatgtc caagtccatt ttaatttcct cagtggtttt 120
atgagaagtt ttatgggcct cccccaattg tctttttatt ttgggttatg acgatcatgt 180
ttgataatta caatgatagt ctctttccac gtgatgcttt tgtttgaacc tgataaaatt 240
tagtgaaact ttgtaatgat ctatgtgcac ttttacttgt aaaatggaat ttctgtatgt 300
ttatacttgn aaatatgatt gnngntagtg cttcctgntg cttatngngg nccggccncn 360
ccttttgtga atnctggtaa 380

<210> 550
<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 244

<223> n = A,T,C or G

<400> 550
aaaaaggtat tttttcccta attataaaac tgatgtgtca gttacggaaa aattagaaat 60
gcagcacaaa tacatgaata ttttaccacg aaattgccat ataatatctt gtctttttg 120
ggggtgtgaa ttttttgcat tgttctgatc atattcttta tcatgtaatt tatgttcttt 180
tttactaagt attatgtgtg gttattatag attttcacaa agatatattg ctggtaatat 240
attntattgt gtagtcttat aatttactta accttctttc aattgttaga aatttaggct 300
atttccagat ttt                                                   313

<210> 551
<211> 332
<212> DNA
<213> Homo sapiens

<400> 551
ctgaggttgt cagtacaatg aaaccaaact ggcgggatgg aagcagatta ttctgccatt 60
tttccaggtc tttgagttgc acgtcaaatc tggggctgat caccccacac ttgtttagcc 120
tgcctgtgag gttcacaaca attttcccag ctctgtggtc atcaatgatt tcaaattcgc 180
taatgtaacc atgcttcatc atcacagtga gaaaccggac gatgactttg gagcacggcc 240
taataagcac ctggcgtttg cctctctttt cggcattgtt gatactcttg agagcatctg 300
ccaggacatt catgcgcacc attgtggcgg cg                              332

<210> 552
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 355, 395, 451, 461, 476, 487, 493, 498, 510, 514, 515, 527,
532, 541, 542, 552, 575, 578
<223> n = A,T,C or G

<400> 552
aaatgcaaga caacttatga ggccacttga agaccaacct ttacccatga catctggtaa 60
cttttcttct ttgagatggg gtcacccagg ctggaataca gtggggcagt cagctcactg 120
cagcctcgac tgcctgatat caaggcagcc tcccaaatag ctgggactac agatgtgtat 180
caccaagccc aactaatttt tctatttttt gttgacaggc tctcactatg ttgcccaggc 240
tcgtctcaaa ttcctggact tgggatccat ctgcctcagc ctcccaaagt gctgggatta 300
caggcgtgag ccactgtgcc tggccctggt aactttaat gttcctttga agggntttcc 360
tagtatgagg atgggcaagc ttactgagtc tgtgngtgtc atgcttacca ccaaaacggt 420
ttcacaaagc tgaaaccact taccaaaatt ngttccttga naccaaaaat gaatgntcac 480
aggagcncac tgnttgantg atctttactn ttcnngggaa tttactngcc gnccctagg 540
nnatcaccat gnggcgtcta tgaccactcg gccantgnga aatgga           586

<210> 553
<211> 368
<212> DNA
<213> Homo sapiens

<400> 553
tttttttgag gaattaacag tctttattgg gctcagacca ggagtccgtg ggtcttgagg 60
acctctgtgt atttgtcaat tttcttctcc acgttcttct cggcctgttt ccgtagcctc 120

```
atgagctgtt tcttcttccg gtagtggatc ttggctttct ctttcctctt ctcctccagg 180
gtggctgtca ctgcctggta cttccagcca acctcgtgag ccaggcgccc cagataggca 240
aactttcttg taggcttcag acgcacgacc ttgagggcag caggaaccac catccgcttt 300
ttcttgtcgt agggcggtgg gatgccgtca aacaccttga gacggtccag agcggcacct 360
gccgggcg                                                          368
```

```
<210> 554
<211> 129
<212> DNA
<213> Homo sapiens
```

```
<400> 554
cagtttgcct ggagacattt ctactggtac cttaccaatg agggtatcca gtatctccgt 60
gattaccttc atctgccccc ggagattgtg cctgccaccc tacgccgtag ccgtccagag 120
actggcagg                                                         129
```

```
<210> 555
<211> 582
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 396, 444, 453, 473, 496, 503, 509, 514, 520, 531, 538, 556,
557, 567, 568, 571, 577
<223> n = A,T,C or G
```

```
<400> 555
ccagtccaag ctggaggagg ccacaatgat tcattagagc tttgaggttg ttcttgaaga 60
gctgaatata ggacatgagc tgtcccggtg tgactctccc catactcatc ttgattggca 120
ggttttctct gcttgccgct tccactagat gtctccgaac ttccatcact gcctctttgt 180
gcttagtgtt cagtaaagct tcccataggg ctttggctgt ggtgtcactg gattgtgaaa 240
gacagcctgg tgcaaccaca ttataatttt cctcctcagt atggagtgca gtgagcgcta 300
tcatgttaac catcacatca tttgtgtggc ctgggagctg gggaagtgct gaaatgatct 360
tctctactaa gttgtctcca tgatgtccaa ctgctnctgt gaaaatccag gggtctgttc 420
acaaaaaacc acttgatgcc ctgnctgcag cangcttctt tcttttcttt gcnggggcat 480
aattggacct cggccncgaa ccnccttang gggnaattcn acaccattgg ngggcgtnct 540
tatggatcca acttgnncca acttggnnaa natgggntac tg                    582
```

```
<210> 556
<211> 359
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 198, 269, 283, 312, 345
<223> n = A,T,C or G
```

```
<400> 556
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120
aagatcctga gtgacatgcg aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240
```

```
cgcgaccacg cttaagggcg aaattccanc acacttggcc ggnccgttct tagtgggatt 300
cccaacctcg gnaccaaagc tttggcgtaa atcattgggc attanctttt ttccctgtg  359
```

```
<210> 557
<211> 256
<212> DNA
<213> Homo sapiens
```

```
<400> 557
ctgtccagtg acatctaggg aagcccagcc cccagcagca gcaggaactc ttggggacag 60
tctgtcttgt tgcaaagcca gcacagcaag cagcctccgc attagttcca tagcttgact 120
ggcttctaag atgggcatgt caagatccag aatctcaaag catcccctct ttggctccat 180
catccaaggg tgagaaacag cagagcctaa gtgagagtct gagtcaacac cttggctcag 240
ttttcaaatg aatttt                                                256
```

```
<210> 558
<211> 591
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546,
548, 555, 575, 581
<223> n = A,T,C or G
```

```
<400> 558
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatggtcatt acacttaana atctggnctg aattttntan cttcttataa aatacttgac 480
cgatattacc tcntccnttt aagtttctna atccntctgt ncctgaaggg ntanaatttt 540
tggttnangg ctttngggac aaatttttt ttgcnatggt nggtaaaatt t           591
```

```
<210> 559
<211> 650
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 429, 440, 441, 448, 471, 474, 486, 510, 519, 520, 528, 539,
555, 566, 581, 596, 625, 628
<223> n = A,T,C or G
```

```
<400> 559
aaaaaataaa attataaaca aaatacagaa aaatattgac acctgtgata acaaggaaat 60
gactcttaag ggcagtttgt tgtcctgggg gaaaaaatca taagtgttat aaagaaatat 120
tattgtgcaa aggaggaatg taatatttaa ggttcattta caacgggcat ttggcgtcga 180
cagaaaaagt ctttctatgt atacattcaa cattttgcag catatttaca ttcaagttac 240
```

196

```
atttccaaat tctatgccaa atacagtcta actcaccatc aacaatccct cagatattac 300
taaaatcctg tttatttggt aggagtgcaa tattatctta ttaggaaata attttatgtt 360
cctactaagt caactgcatt tttactactt taacaaaatt cactgacatt tttatccccg 420
ttgaagtcna acctcttttn naccaaantc aatacttact caatggtgcc ngtnttaaaa 480
tatatnataa tccttttcct ccctcctttn aaaaaccgnn tttcaacntt caatgaaang 540
gccccccctt ttganaaatt tttttntttt tccagaaatt nggatggttt acaaanacca 600
atttcccaaa ttttacttgt tttcnaanaa aggtggaacc cttttccttt          650
```

<210> 560
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 433
<223> n = A,T,C or G

<400> 560
```
aaaagatgta gataaaattt tattaataac agaagactta aaaaacattg gaaatacttt 60
tttcaaatcc cagaactggg agatggctat taaaaaatat gcagaagttt taagatacgt 120
ggacagttca aaggctgtta ttgagacagc agatagagcc aagctgcaac ctatagcttt 180
aagctgtgta ctgaatattg gtgcttgtaa actgaagatg tcaaattggc agggagcaat 240
tgacagttgt ttagaggctc ttgaaataga cccatcaaat accaaagcat tgtacccgca 300
gagctcaagg atggcaagga ttaaaagaat atgatcaagc attggctgat cttaagaaag 360
ctcagggggat agcacccaga agataaacta tccaggcaga attgcttgaa agtcaaacaa 420
aagataaggc ccngaaagat aaagagaagg cgttttttcca aaatggtttg cttaaaaagg 480
at                                                            482
```

<210> 561
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 434, 448, 449, 467, 471, 477, 481, 486, 497, 511, 514, 534,
536, 554
<223> n = A,T,C or G

<400> 561
```
aaagcctgat ctggtgtgaa taatcaacta ggaaatctaa acttggataa cacgtggtga 60
acaactgcct ttagctggtc cagattaatc atttcaaaga catccatttt agatcacaag 120
caggaagtcg atagtctcaa aggcactttg tttctcccaa gtaggccacc aggcagcctc 180
tagagttgct ttacccaaat ccttctccag ccatgacttg gtgactctaa gcttgctccc 240
acctgccccc tccacttccc tcagatgatg aggagccagg ctaaggggg cagccttctc 300
tcttcccagt gatgcacatc cttcacattg ctgctttgt tctggaatat ggatatctca 360
acctggatgc ccgaggaagc tgctggatgc ttaatggtgc tagaagctca agtgtgtttg 420
aaaccaaaac ccanttgtcc cccatgcnna aagaaatcct gtgtgancct nttggtntta 480
naaaanaaat ctggccnttt ttttaacatt nacntttttg cctttttaggg aaananaccg 540
gggaacaaaa aatnaatttt gg                                       562
```

<210> 562
<211> 323

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 182, 210, 266, 294, 296, 299
<223> n = A,T,C or G

<400> 562
aaatgacacc accaagcctg tgggccttct cctaagtgaa agattcatta atgtccctcc 60
acagatcgct ctgcccatgt accagcagct tcagaaagaa ctggcggggg cacacagaac 120
cagtaagcca tgtgggaagt gctactttta ccttctgatt agtaagacat ttgtggaagc 180
angaaaaaac aattccaaaa agaaacctan caacaaaaag aaagctgcgt taatgtttgc 240
aaatgcagag gaagaatttt tctatnagga gcagggaaaa cctgaagtgc ttgnangtnc 300
ataccaagga agaggattgg aat 323


<210> 563
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 97, 174, 352, 355, 356, 362, 383
<223> n = A,T,C or G

<400> 563
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaanaaa gagtaagacg gccgcaaaga 120
aaaatgacaa agaggcagca ggagagggcc cagccctgta tgaggacccc ccanatcaga 180
aaacctcacc cagtggcaaa cctgccacac tcaagatctg ctcttggaat gtggatgggc 240
ttcgagcctg gattaagaag aaaggattag attgggtaaa ggaagaagcc ccaaatatac 300·
tgtgccttca agagaccaaa tgttcagaga acaaaactac cagaccttcg gncgnnacca 360
cncttaaggg gcgaattcca acncacttgg c 391


<210> 564
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 341, 414, 425, 427, 443, 456, 480, 486, 487, 491, 545
<223> n = A,T,C or G

<400> 564
cgacaaacaa ggtttcccca tgaagcaggg tgtcttgacc catggccgtg tccgcctgct 60
actgagtaag gggcattcct gttacagacc aaggagaact ggagaaagaa agagaaaatc 120
agttcgtggt tgcattgtgg atgcaaatct gagcattctc aacttggtta ttgtaaaaaa 180
aggagagaag gatattcctg gactgactga tactacagtg cctcgccgcc tgggccccaa 240
aagagctagc agaatccgca acttttcaat ctctctaaag aagatgatgt ccgccagtat 300
gttgtaagaa agcccttaaa taaagaaggt aagaaaccta ngaccaaagc acccaagatt 360
cagcgtcttt gttctccacg tgtccttgca gcacaaacgg cggcgtattt gttntgaaaa 420
accancntcc cagaaaaata aanaaaaagg ttgcanaaaa tgcttaactt ttggacdttn 480
```

```
ggccgnnacc nccctaaggg cgaattccac ccccttggcg gccgtccttt gggatccaac 540
ttggnccaac ttgg                                                   554
```

<210> 565
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 385, 391, 411, 425, 429, 435, 440, 466, 468, 483
<223> n = A,T,C or G

<400> 565
```
ctgtgtgaca taggacatct tctttctctg tctcacttga ataatatgat gtgtcagagg 60
agacatgatt gtaattgcct aaagcaattc ttgtgatcaa gaatcagaag catgaacagt 120
attgccctct gtgttagccc ctttataagg gaggatatca tcttcagcat gctgaattgt 180
catctttctt agcagtgcaa atgactaaaa cttagccaat gtagagtttg tccaaatttg 240
gagctcataa ctcagttctt gagcaaagtg aaaagaaaac attgtgatta tggggaaaat 300
atttgatggg acttatcaaa taaagatagg aaaagaagaa acccaaata ttataggcag 360
aaatgctaaa gggtttacct gcccnggcgg nccctcgaaa gggcgaaatt ncacacactg 420
gcggncgtnc ttagnggatn ccacctccgg gacccaaact tggggngnaa tcatgggcaa 480
tancttgtt                                                         489
```

<210> 566
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 403, 477, 499, 505, 514, 527, 537, 543, 564, 571, 581, 584,
598, 603
<223> n = A,T,C or G

<400> 566
```
aaaattattg agatcatgaa aaacaaggaa acattaataa atttccatag attggaagca 60
aataagatat gatgactaaa tgtgacataa tattctggat tgcatcctgg aacatgaaaa 120
ggacattaat gggaaaactg gtgagctaca ttatacaaaa taactgatca gtgctcttca 180
aggtgtcaag attatcaaag acataaaaga atggatgaac tgccatagat tggaggagac 240
aatgcaatgt gaaatcctga atttgaccct gaacagaaaa tgcaatgtag tggagaaact 300
ggtaaaatgc agataaaatc tagtttagtt aatcatattg taccaaagtt catttcttag 360
ttttgataac tcttgatggg tataaaagat gttgaccatg aanaatgctt ggatgaagtg 420
gtgtgccacc aacctggttg ctggtttttg ccaccttttc ttgtaatttt taccttnggg 480
ccgggaaccc cccettaang ggggnaaatt cccnccccc cttgggnggg gccgttncct 540
tangggaat cccaaacttt gggnccccaa nctttggggg naancaatgg gccatacntg 600
ttncccc                                                           607
```

<210> 567
<211> 555
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 393, 404, 430, 452, 453, 468, 500, 509, 519, 529
<223> n = A,T,C or G

<400> 567
cctacccatt ctcctagttt cttgttgtca tcaaccttaa ttaggttgat ttggtgttca 60
gcacaaaggg cctccaccaa cttgacatac ataggctcat cacagttgga tgcaagcaca 120
caaagatggg cttggcgcct tttcctaggt ttccggtagg acggatgcca ttcagaactt 180
ttgcgctaac accatgaact ccatgccttc ttcccttggg tggcagtttt gttccggttg 240
caagaaccca cagtattgag actgatacac gtacttgtct aagctttggc agcttcgcga 300
attccacgtg ctaggccatc gtggatgaag ggcagtcttc agaacctctt gtaaaagcag 360
tattaaccgt ccattacacc ttcacaacaa tgnctttctt cggncatggc ggggggtac 420
cgggtgaaan ttgaaacttt gaaccaccca anncttccgc tttcggcnaa attgggaacc 480
ttgcccgggg gggccgtttn aaaaggggna aattccaana cacttgggng ggccgttact 540
aaagggaatc ccaaa 555

<210> 568
<211> 325
<212> DNA
<213> Homo sapiens

<400> 568
aaaaaaatca acagtgttaa cagtgggtgg gtatgtttcc agacctctca attcactcat 60
atgtacagac aggattgacg gggggaatcc ctaaacttttt tattctaaca agtttttattt 120
atttattttc ttttttgaca tggagtctcg ctctgtcgcc caggctggag tgcaatggcg 180
tggcctcggt tcactgcaac cttcgcctcc cgggtttaag caattctcct gcctcagcct 240
cccaggtagc tgggattaca ggtgcatgct actgcgcccg gctaatttat gtattttttat 300
tagagatggg gtttcaccat attgg 325

<210> 569
<211> 267
<212> DNA
<213> Homo sapiens

<400> 569
ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg 267

<210> 570
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 393, 414, 415, 424
<223> n = A,T,C or G

<400> 570
aaaaactcat cattgccatg tccaggagag gcaatctagc tggagtcagg tgatccagtc 60
cattcctgtc aaagcctcca acagctacag cacaaacacc atcagtttgc gatggctggg 120
```

```
gggccttctg gaagaagaga ggcaaagaaa gtcttgaaga caagccatgc tgtgctcata 180
aaggagggc tggtctgctc gccatctagt acatccctgt ctggagggag gtggttgggg 240
tcttcagttt caggatcagt gccttcctgt aagttattgt tggggtcctg atttacaacg 300
tcaggaggag gaccatcatt tgggaagttc tgaaccggcc tcgnctaaat ggaaccaccc 360
aacgtgatgc cttcaaagga agcacataaa agnccttta actgatgtca cagnnggact 420
tctnaagaat ccaaggttcc ccccctttat c                                451
```

<210> 571
<211> 385
<212> DNA
<213> Homo sapiens

<400> 571
```
ccacagctaa catcattgca gcacctttac tccttcggct gtgatccaat ctccagctca 60
ctttttgcca gcaccaacat tggcctttgc agtccccctg actttcttca ttctgttctt 120
gcgttccttt cgttgctttc ttgaggtctt tttcttctca tacaggccat gtcttgcaag 180
tctatgtttg ggttcatttt tctttgcata atccagggaa tcataaatca tgccaaagcc 240
agttgtcttg ccaccaccaa aatgagttct gaatccaaat acaaagatga catccggtgt 300
ggtcttgtac attttggcta gttttttcccg aatttctgtc ttaggcactg tcgcttcccg 360
gggtgaagga catcaatgac cattt                                       385
```

<210> 572
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 371, 479, 493, 529, 531, 533, 542, 557, 560
<223> n = A,T,C or G

<400> 572
```
ccacttggac ctttggcagg aaatcttcac tgtgccaaag cattgtgttt ctggagccgg 60
agctgcctga ggcactcttc tccagcctcc tcagccttcc atggagctgc agaccctacc 120
tagacctacc cctgccgggc tccaaacaga tccccctacc cattcctttc atgtactgtt 180
tggtcctgga agaggctcac acaagttggc tttgggtttt gcttcaacat agaaaccacg 240
agccttatac cttgaatatg ggtagtttca ttgccagtaa tgggaactct ggaactgcca 300
aagggactgt atcctctttc tgacctggtg ttgctttctt ttgttaggct tcccagctct 360
gtgcccagca ncctgtccag aatgagctgt tcagagatcc aacaactgca gtctccttat 420
tcacttttaa agaattgaaa accaaaaagg tgagtttctt ccttaggaa ggttcaaanc 480
cccccttctt aantttccct ggttgaaaac tttttgctgg cttgcccnt ntngggaaac 540
cnggggggaa gggaacnttn ccaaaaaaat ttccgggggg gg                    582
```

<210> 573
<211> 540
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 78, 107, 165, 200, 206, 233, 234, 344, 377, 395, 407,
411, 429, 483, 496, 505, 518, 530, 538
<223> n = A,T,C or G

<400> 573
ccactgcnga ctgagcggtg gaccgaattg ggaccgctgg cttataagcg atcatgtttc 60
tccagtatta cctcaacnag cagggagatc gagtctatac gctgaanaaa tttgacccga 120
tgggacaaca gacctgctca gcccatcctg ctcggttctc cccanatgac aaatactctc 180
gacaccgaat caccatcaan aaacgnttca aggtgctcat gacccacaac cgnnccctgt 240
cctctgaggg tcccttaaac tgatgtcttt tctgccacct gttaccectc ggagactccg 300
taaccaaact cttcggactg tgagccctga tgcctttttg ccanccatac ttttttggca 360
tccagtctct cgtggcnatt gattatgctt ggggngaagg caatcantgg nggcattcac 420
cccttaaang ggaaccacat ttggactttt ttttttttca tattttaac ctttgggccc 480
ggnaacccc cccttnaagg ggccnaaatt tcccaacnac caccttgggn ggggcccntt 540


<210> 574
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 428, 436, 439, 443, 450, 460, 464, 467, 482, 493, 500, 501
<223> n = A,T,C or G

<400> 574
aaaatttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180
atcaggtacc agtaacaaag tggtactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggaggtt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaata ctataaacaa accttttcttg atgaggctta agggttattt agaggagtat 360
aaccttaaaa ataaagatga aaaatttatg aaccgggctc tgttttcatg atgagagagt 420
acgtgcantc ccctgnccng gcnggcgctn gaaagggccn attncancac ctggcggccg 480
tnctatggat ccnacttggn ncaaacttgg 510

<210> 575
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 403, 494, 500, 503
<223> n = A,T,C or G

<400> 575
ctgaaaacag tgggaggcca gatgctggca tcttccagac gggagcatag ccatggtcac 60
tctagccgat gtctcctggg gctctcaggc ggcaaggacc agatgcacca ctactgtcca 120
atcccagttt tacttagagc cacctccttt tttggggcca ttagtcctta tttcatgcca 180
gattttcact agcggctccc tgttcttcca aatcagttca tgaccgtaag taacatacca 240
tattccaaaa agagctcccc caagatgtgc cgcatgatca aaaaatttcc atcccaggat 300
cattcctgct gtatccatgg cgataatggc tttcaggca ttccctgctg tgaacgtgaa 360
catcggaagg aaaataatgg caagcctcct tctgggatct tantgcagac agacctgccc 420
gggcggccgt tcgaaagggg aattccacac actgcggccg ttctatggat ccaactcgga 480
ccaacttggg taanatggcn tantgttcct gg 512

```
<210> 576
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 331, 359, 415, 424
<223> n = A,T,C or G

<400> 576
ctggtgctct gggtctaccc tacctgacat ccttccagtc ttatcctttg tttcctatcc 60
aggcccaggc ttgtggctga gaacatccac tttcagtccc atatacctgc ctccaagtgt 120
ggtacagaga acttgggcct gctggggggcg cttagcctta ctctctccac cacctctccc 180
accaaccccc agatgaactg caggtagacg tttcttcctt gcttggagcc ccagtttttg 240
catttcattt tcattaaaat gaaaggtggt ttggttttgg ttctaaggag ctctacagtt 300
taacagaaan gagggacctt aggggggccaa naaagcaggg gcctaccaag tatctcccnt 360
ttgaaaatgg aatactgata aaaatttttt acctgcccgg cggccctcaa aaggngaaat 420
ccanacactg gcgggcg                                               437


<210> 577
<211> 267
<212> DNA
<213> Homo sapiens

<400> 577
ccaccctgga gcgctatgta gagacgcagg ccaaggaaaa tgcctatgat ctggaagcca 60
acctggctgt cctgaagctg taccagttca acccagcctt ctttcagacc acggtcaccg 120
cccagatcct gctgaaggcc ctcaccaact tgccgcacac agacttcacc ctgtgcaagt 180
gcatgatcga ccaggcacat caagaagaac ggccaatccg acagattttg tacctcgggg 240
acctgctgga gacctgccat ttccagg                                    267


<210> 578
<211> 354
<212> DNA
<213> Homo sapiens

<400> 578
aaaactcaat gtttgcctaa tcaaagatca tctggctaaa ctgctccccc acttctgctt 60
agctactttg gaagcacaaa agttacccct ttccatcctt ggcccttccc tggttggtac 120
atctagttat gagatagacg cgcaccactt aacaaatcac tcccttttga ccgcaggttg 180
tttctcttcc atatttgacg aggctggcaa cagctcccga atcttggcct agcacatcac 240
gaattgggaa gctaaagctt tagcttagaa tgccaagtga caaggacatg gctgaagcag 300
gagggggaaat tctggaacaa gtgcctctgg gcaaacctca caaccgagtt tttt       354


<210> 579
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 283, 365, 366, 376, 379, 387, 389, 392
<223> n = A,T,C or G
```

<400> 579
aaaaggctag aacatccttt gacttcttga aaatctgcat gtctggcttg ggttttatta 60
ccacatgcct gagttcttca agaatggaag gctcaagtat tctcatcttc catttgccaa 120
acttccttcc tgatttgagt cacgtgttcc acttggaaag aaagggaaca gagagcctcc 180
tccatggaca gtgtatgaat ttcattggga atcttgctct ctcccgcctc tatgcctttc 240
tctctttta accttacttt acataatatt atagatgggc cangaaaaga aaagatgaca 300
taacattttg atgaattaca cctattccat tcttcacgtt tcacaattgg tccgaacttt 360
ggttnnaaga ataatngtna gaaggcntng gntccaaaaa ac 402

<210> 580
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 407, 442, 447, 477, 513, 517
<223> n = A,T,C or G

<400> 580
ccattgattt aggccactgg cttagagtac tccttcccct gcatgacact gattacaaat 60
actttcctat tcatactttc caattatgag atggactgtg ggtactggga gtgatcacta 120
acaccatagt aatgtctaat attcacaggc agatctgctt ggggaagcta gttatgtgaa 180
aggcaaatag agtcatacag tagctcaaaa ggcaaccata attctctttg gtgcaggtct 240
tgggagcgtg atctagatta cactgcacca ttcccaagtt aatcccctga aaacttactc 300
tcaactggag caaatgaact ttggtcccaa atatccatct tttcagtagc gttaattatg 360
ctctgtttcc aactgcattt cctttccaat tgaattaaag tgtgggnctc gtttttagtc 420
atttacctcg gccgcgacca cnctaanggc gaattccaca cactgcggcc gtactantgg 480
atccaactcg gaccaacttg gcgaaacatg ggnatantgt tcct 524

<210> 581
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 398, 404, 467, 474, 489, 493
<223> n = A,T,C or G

<400> 581
aaaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca ggggtgtaat gtttttaatg tttcagaagc ctaactttt 120
acacagtggt tacatttcac atttcactaa tgttgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaaggctgt ttggttagca 240
tctcatcttg cattctgatc aattggcaag aaagggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggt 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttnct gaanatgtta cctcggccgc 420
gacacgctaa ggcgaattca cacctggcg gccgtctagt ggatccnact cggnccaagc 480
tggcgaatnt ggnatactgt tcct 504

<210> 582
<211> 511

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 456, 471, 474, 492, 496, 508
<223> n = A,T,C or G

<400> 582
aaaatttaga ttagcacacc ttactaatct gacagaacct ggattctctt gatattggaa 60
gaagatgaga gtggataccg gggaagtcac tagaagtatc tgtcactctt ggctggacag 120
caggctgcaa acatattacc acttgatgga ggcatcatgc tctggtcgca atccgtgtgc 180
atcaggtacc agtaacaaag tggtactgag aaatatcctc atgtcacata gatctcaata 240
tgccattggt caaggaggtt gtccagaagg aaattaggac gttatcaagg atgaagctat 300
agtaaaaata ctataaacaa acctttcttg atgaggctta agggttattt agaggagtat 360
aaccttaaaa ataaagatga aaaatttatg aacggggctc ttgtttcatg atggagaagg 420
taccgtccag tccacctgcc ccgggcgggc cgttcnaaag ggcgaattcc ncanctgcgg 480
gccgttacta gnggantcca cctcggtnca a 511

<210> 583
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 410, 422, 455, 467, 485, 491, 498, 500, 511, 517
<223> n = A,T,C or G

<400> 583
aaacctttat actcccctga atgaatttga agaacgggta acagtggcct ttatacgaac 60
aatccaggca caactacaag agcggaatga ccctcagcaa ctgctattag atgccaagca 120
catgtttcct gttttgtttc catttaatcc atcttctcta accatggact caatccacat 180
cccagcgtgt ctcaatctgg aattcctcaa tgaagtctga agatgcatgt ttccagcatt 240
agtttgattc ccaatgtgag caagaaggaa gtatatacag taaagtaaat tcaaggatct 300
gttaaatctg gtaaaagtag atcaaatcag agattgacag cctgtggagg gtgcttgaac 360
tatacagaat tagacacact atgtcattat tttttggacc tactgnttan aataaaaaca 420
cnttgaaata tgacctcggc cgcgaccccc cttanggcga atttccnccc actgggcggc 480
cgttnctagt nggatccnan ctcgggccca ncttggnggt aatcatgggc ttagtgttcc 540
tgg 543

<210> 584
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 393, 401, 409, 415, 421
<223> n = A,T,C or G

<400> 584
cctttcactg tggtctggga aagaatcagt aagatgacag ggctgacttc attagatgag 60
gagctttct atccagtttc ctggaggaat aaggacactg ccttttcaga ttaaagattg 120

```
tctgatttag agaccatgga ggtggacaga gaataacaaa accgtgatgg cagtcatcat 180
gcttattgca gttagcacac acttttcctg acaggcacag tgctgctgtg ctctacaaat 240
gaccatgaaa tagagcacgc catgactta ggacacaggg atttttatgg gaagagagtt 300
catcagggac tgattacgta ggagagacga tgcaggggaa atggtggacc tgcccgggcg 360
gncgctcgaa agggcgaatt ccaccactgc ggncgtacta ntggatccna ctcgnaccca 420
ncttggcgta atcatggcat actgtt                                      446
```

<210> 585
<211> 308
<212> DNA
<213> Homo sapiens

<400> 585
```
ctcttgttga aatccgaaat ttcttgggtg aaaaatatat ccgcagggtt cggatgagac 60
caggtgttgc ttgttcagta tctcaagccc agaaagatga attaatcctt gaaggaaatg 120
acattgagct tgtttcaaat tcagcggctt tgattcagca agccacaaca gttaaaaaca 180
aggatatcag gaaatttttg gatggtatct atgtctctga aaaaggaact gttcagcagg 240
ctgatgaata agatctaaga gttacctggc tacagaaaga agatgccaga tgacacttaa 300
gacctact                                                          308
```

<210> 586
<211> 333
<212> DNA
<213> Homo sapiens

<400> 586
```
ccagaggagg gaggggcaca gtgaagaagg gagcccacca cctctccgaa gaggaaagcc 60
acgtagagtg gttggcatgg ggtgccagca tcgtgcaagc tctgtcataa tctgcatctt 120
cccagcagcc tggtacccca ggttcctgta actccctgcc tcctcctctc ttctgctgtt 180
ctgctcctcc cagacagagc ctttccctca cccctgacc ccctgggctg accaaaatgt 240
gctttctact gtgagtccct atcccaagat cctggggaaa ggagagacca tggtgtgaat 300
gtagagatgc cacctccctc tctctgaggc agg                              333
```

<210> 587
<211> 111
<212> DNA
<213> Homo sapiens

<400> 587
```
ccatgaagct cttagacaaa tctatctctc tggacttcat tcctggaaaa agaagttcat 60
cagattcaag aacggcatca tcactggcgt gtacccggca agcccctcca g           111
```

<210> 588
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 49, 67, 72, 77, 80, 106, 121, 181, 212, 220, 269, 311, 337,
341, 350, 354, 365, 374, 393, 404, 405, 436, 439, 441, 456,
458, 498, 517, 525, 526, 544, 547, 571, 575, 576, 593
<223> n = A,T,C or G

<400> 588
```
gagcccacag gggaagagca gcggaagggg cttttcggaa cgaatttgna ttgaaaggaa 60
gtggaanaaa cncgganccn tggccgttgt ggttgctgtt tgcggnggtc tagggaggaa 120
naagttgaca cacttggtaa cggcttgctg tcagccttac acatcccggg actcacacgg 180
ngctttggag aagaggttgt tcacaacagg tntccagcan tgaggacctg cccatttcaa 240
tggaaaatcc ttataaagaa cctcttaana aatgtatctt gtgtggaaag catgtagatt 300
ataagaatgt ncactttttg tcccagtttg ttctccnttt nctggatgcn tttntggaag 360
gcccnttaca ggtntttgtg gaagaacccg aangaatccc aaanncattt agaaaactca 420
atatggggtt tttccnttnc ntccaaggat cctgcntntt taaggcccta agttgtacct 480
caaattcggg aataaatntt ttccttccct tataacnttt ttccnnaagg gttgttaagc 540
catntgntta aaccacctt gataaaaaag ntttnngagg ggggaaaaaa acnttccttt 600
tccaat                                                          606
```

<210> 589
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 471, 488, 496, 508, 539, 547, 568, 577, 581, 585
<223> n = A,T,C or G

<400> 589
```
aaatagctga gcacctactg gaagaattcc tgggctaaat gctgaaaata aaatttaatt 60
tctgcacaga aaataccatt aacttagtag cctttgctta aaggtgggat taattctcca 120
tgaagtcaga atgagacaat aagcagcatt aacttcatag gcacacagaa ctagtgctca 180
aactgctagc acaaattcca acagagtaca taaggctaag tcactactca agtgtccatt 240
tccatcaaat ttagagactc tccctatgca tctaagggaa ggaattatca ctgaatataa 300
atgcctccag gagaaacgga gaattcagtt aaggttaaat tagacaaaag ataataagtg 360
caagtactag agaaatgttg ctggagataa accataaaaa tttgtgacct aaccgtggca 420
tggggtgaat cgcataagct gctagctggt gaaccccagt gtttcaagat ncacttttta 480
taaaccgntt tatttnggtt tgcttatncc atcaaaactg gaaacttcct gccctgana 540
ttccctngaa accggggaaa tcaattnaa aaccccnttc ntggnggcct ttcaaaa    597
```

<210> 590
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 372, 471, 474, 478, 493, 504, 518, 530, 538, 544, 551, 566
<223> n = A,T,C or G

<400> 590
```
ctgatagcct ggtgcccttg actgtccaaa actgttacag gcccatagtc caagacaaga 60
ttctcatgag aaaaagtgca ggagagacag gaaatgggac cccaggagtc tgttctcatg 120
acatgaattc agtggaaaca atgggatggg tccgctcttt tccagttttt ggttgacttt 180
cttctttgat gatctttctt tctcctgacc cttccgccca ccctgaccct ctcccaggga 240
tgggaagcag gatattttca taaagccttt gttcctggga ggagctcatg ctctgtctcg 300
ggtcaaactc tcccttccca ttccaactac tcaggtgccc atggacttcc tgcaggaaca 360
tctccaggag tncaggcttc cttgcccata ttttatctgg gatgggagta aagaccaccc 420
gtctaattca cgtaaaatct aaattgcttt ttaccttgcc cgggcggccg ntcnaaangg 480
```

```
gcgaaatttc cancacactt gggnggccgg ttcctaangg gaatcccaan cttcgggncc 540
caancttggg ngtaaatcat tgggcnatt                                    569
```

<210> 591
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 376, 397, 438, 452, 456, 472, 477, 498, 499, 510, 535, 553,
558, 568, 578, 583, 593, 618, 639, 643, 654, 657
<223> n = A,T,C or G

<400> 591
```
agaaaatgtc gacattactc tgaagggacg cacagttatc gtgaagggcc ccagaggaac 60
cctgcggagg gacttcaatc acatcaatgt agaactcagc cttcttggaa agaaaaaaaa 120
gaggctccgg gttgacaaat ggtgggggtaa cagaaaggaa ctggctaccg ttcggactat 180
ttgtagtcat gtacagaaca tgatcaaggg tgttacactg ggcttccgtt acaagatgag 240
gtctgtgtat gctcacttcc ccatcaacgt tgttatccag gagaatgggt ctcttgttga 300
aatccgaaat ttcttgggtg aaaaatatat ccgcagggtt cggatgaaac caggtgttgc 360
ttgttcagta tctcangccc agaaagatga attaatnctt gaaggaaatg acattgagct 420
tgtttcaaat tcagcggntt ttgattcaca angccncaac agttaaaaac anggatntca 480
ggaaaatttt gggatggnnt cttttgtctn ttaaaaaagg acctgttcac caggnttgtg 540
aataaaaact aanaattncc tggctccnaa agaaaatncc cantgacctt tanacctctt 600
tggaatttac ctgccggngg gccttcaaag gggaattcnc ccnttggggc cttnttnggg 660
acc                                                                663
```

<210> 592
<211> 297
<212> DNA
<213> Homo sapiens

<400> 592
```
ctgtagccga gagtcaccag gtccccacag ggtgtcagag agggtgtgga gctgcttagc 60
actcagcatc actgtctggt taaacacagt ccagatgaca ccctgggcac agggcggtgt 120
agtcagagac ccctcatatt ggaagtagcg gctgaagtca gagggcagga gtgcagatat 180
gtccagtcct gggacctgag tctctgagcc ttcctcagcg atttcttcca agcgagacag 240
caactgctca taggcactgt tttcttccgg gccctcctcc agaaaggcgg ccaacac    297
```

<210> 593
<211> 337
<212> DNA
<213> Homo sapiens

<400> 593
```
ccaccatttc ccctgcatcg tctctcctac gtaatcagtc cctgatgaac tctcttccca 60
taaaaatccc tgtgtcctaa agtcatggcg tgctctattt catggtcatt tgtagagcac 120
agcagcactg tgcctgtcag gaaaagtgtg tgctaactgc aataggcatg atgactgcca 180
tcacggtttt gttattctct gtccacctcc atggtctcta aatcagacaa tctttaatct 240
gaaaaggcag tgtccttatt cctccaggaa actggataga aaagctcctc atctaatgaa 300
gtcagccctg tcatcttact gattctttcc cagacca                          337
```

<210> 594

```
<211> 362
<212> DNA
<213> Homo sapiens

<400> 594
cctgctggga acgggacttc taaaaggaac tatgtctgga aggctgtggt ccaaggccat 60
ttttgctggc tataagcggg gtctccggaa ccaaagggag cacacagctc ttcttaaaat 120
tgaaggtgtt tacgcccgag atgaaacaga attctatttg ggcaagagat gcgcttatgt 180
atataaagca aagaacaaca cagtcactcc tggcggcaaa ccaaacaaaa ccagagtcat 240
ctggggaaaa gtaactcggg cccatggaaa cagtggcatg gttcgtgcca aattccgaag 300
caatcttcct gctaaggcca ttggacacag aatccgagtg atgctgtacc cctcaaggat 360
tt                                                                 362


<210> 595
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 361, 393, 450, 471, 472, 482, 501, 509, 519
<223> n = A,T,C or G

<400> 595
aaaattataa gatttacagt gccttgatta tgcaaaatag .cataatggaa attaaaccaa 60
atcaataaac caaagagaaa gaaaacttaa ttttctctag tatccatact taaaccatct 120
ttgtaagtat ctgatgtccc aaccatgtct tatgtagaaa gtataatcgt ttcaaatgtt 180
tcacttgcag gtttaatttc tcattttcaa tttttatgaa ctgtaatgca atttcaaatc 240
ctattatacc tagtgtttat actgcaacag cagcaaatct cacatgtgta atcaaatgtg 300
gaactggggc acagcttcta gctgtagaca gaaattatac actgcattca gtccaggaga 360
ngtacattac attaaccaga gcgtagaagt tantacctta ttgcaggggt gggatttctt 420
tccctctgac tgaatcaaaa ctcggccgcn accccctaag ggcgaaattc nncccactgg 480
cnggccgtac tagtggatcc nacttcggnc caacttggng aaacatgggc attactgttc 540
cctggg                                                             546


<210> 596
<211> 468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 194, 214, 280, 282, 285, 316, 325, 326, 342, 362, 371, 392,
396, 398, 407, 412, 435, 436, 451
<223> n = A,T,C or G

<400> 596
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa agacatggaa tatgccctgc 120
gtaaactgga tgacaccaaa ttccgctctc atgagggtga aacttcctac atccgagttt 180
atcctgagag aaanaccagc tatggctact cacnggctcg gctgggtcaa gggggcccgt 240
gactctccat accaaagcag ggggttcccc cactactttn tntcntttag ggcccttctt 300
gaaacagggg aagggnaatt ttttnntttt tttttttagg gnaacctgaa cccttttttg 360
gnccccaaaa ntccccttcc caaattgggg gntttngngg tttaggnaaa antttttaaa 420
```

```
attttttttt taccnncccg gggggccttt naaaaggggg aaattccc                    468
```

<210> 597
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 400, 407, 426, 429, 450, 461, 462, 477, 481, 498, 534, 536,
548
<223> n = A,T,C or G

<400> 597
```
gagagatatg aactctaaca aaggactgag gagtgcagtc tgctggttca ggctcttcaa 60
aagatgtaga aaaagagata gaaggaacca cctatgctta aaatactgta aatatgcagt 120
gaggtttggc aaaatctatt ccatgtgtga tttgcttgta gaaacaattt tgaaagcccc 180
ttgaggaaaa taaaaatcaa gaagaacact tttctccctt ttccatacaa attaaaactt 240
aacagcatca aattattggg accagaaacc aagtaatgta taatgggggc ttttgttgag 300
ttaaataaga tgctatataa tggagaagaa tttgaaaatg cacaaaaaaa tcaatctaca 360
ttatcagacc tgcgtgaaat taactatgtt aataaaccan ttgcagngcc caactatagg 420
tctttntcnc taccaggagt acaaactgtn tggccggtaa nnctagctct attgtgnttg 480
nctgctttac tgttgtanac tactcgtgct tgatattctg cgcccagatc cctngnttgc 540
ctgcctgntg t                                                        551
```

<210> 598
<211> 300
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 234, 242, 243, 244, 254, 264, 276, 278
<223> n = A,T,C or G

<400> 598
```
gggaatgtga aatttacatc atttcttttt gggagagact tgttttggat gcccccctaat 60
ccccttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggttttt 120
tagttgaatt tttttttaaca ttcctcatga atgtaaattt gtactattta actgactatt 180
cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccaaata aaanaaaaaa 240
annnaaaaaa aaanaaaatt ttcnttcccg ggggncntt taaaagggga aattcccccc 300
```

<210> 599
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 258
<223> n = A,T,C or G

<400> 599

```
ccaggccatg ttatgggatc tcaacgaagg caaacacctt tacacgctag atggtgggga 60
catcatcaac gccctgtgct tcagccctaa ccgctactgg ctgtgtgctg ccacaggccc 120
cagcatcaag atctgggatt tagagggaaa gatcattgta gatgaactga agcaagaagt 180
tatcagtacc agcagcaagg cagaaccacc ccagtgcacc tccctggcct ggtctgctga 240
tggacctgcc cgggcggncg ctcgaaaggg cgaattccag cacactttgg cgggtactag 300
tggatccaac tcggaccaac cttgcgtaat atggcata                        338
```

```
<210> 600
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 415, 478, 485, 491, 507, 523, 526
<223> n = A,T,C or G

<400> 600
aaatcangag catataggtc ataataaaat gagctacagg cacaaagcca gtaacacatt 60
tatggtccgt tcatctggaa aagtttcacc gcccactccc cactcctctt ccccctcctg 120
gaagcggcca gctttatcct tggcatttta attttagaga aaatttaaac ttccatgctg 180
ccctgtggct tcggtcaatg gagcttcttt ctccagttat ggaatgagtc agcaaaacgg 240
gggagttctg atccttggaa ttagggaggg acagtttaca gaatgtcctc atttcactct 300
tttcccaatc atgggaaata tccagccaat tctggttttа aagattcata tcaaattcaa 360
agtccctccc tccttttggc gaggaagaca acccctttgga gcgaacacaa aagancaaat 420
gtaaaatcca tcttgggcgg ggcatggtgg ctcaccctgt aatcccacac tttgggangc 480
caagnaggca natacgaggc aaaaatnaaa catctggact cgncgnacac ctaggggaat 540
tcacc                                                           545
```

```
<210> 601
<211> 232
<212> DNA
<213> Homo sapiens

<400> 601
ccattatatc agcaagagat gcaccagtaa tggccctctg gaatttgact gctcggcggg 60
ttcttttctt ttgaatttct tccgactgtc cctttttgtg cttccttctg tagaggacag 120
tccagtttat ctgccgagga ttcctcttgg aaaggaaagc cgactcgcat ttcgcattaa 180
gaaactggaa aaccttcccg tcggtcctgg cgtagcgcct cccgtgtccg gg         232
```

```
<210> 602
<211> 287
<212> DNA
<213> Homo sapiens

<400> 602
ctgaagcact tctcctagat ttgctcttaa cagaacgaat gcatacgcta cagattcctc 60
aacggaatca acagaattcc tttctccaca ttcctaaaac tgggtaccac ggtccgcaat 120
aatagtcacc agacccatca tcacaggcta tgtcactaaa actgaccgaa gcgtttttcca 180
gttcacattt tcctaaagat tttataatgt gacaaccctt ctctccttag aaagttatac 240
ttctggcact tgaaatgctg gatttgttgt cagtttacct gccggcg             287
```

```
<210> 603
<211> 416
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 320, 407, 415
<223> n = A,T,C or G

<400> 603
cagcctggag gtttggagac tcattctgga atctagtgtg ggtcaagcca acttcaggga 60
gaggctgagc cagggtagga gtcacaggag cagacgagga tgtggggtgc cgtgcacaga 120
gctccatgac cagcttggga agttagaagg aaggggaggc aggaggctgc ttagtctgct 180
gccatgatgg gccccatgaa tggtggctct caagcttctg tgctacacag gggtgtctgg 240
tggccttgtg acctgccgca gccatggggg ctgtggacga ccccatctgc tccctctctg 300
aactccatgg ggcaccacan gaatctggac ctgtgccaca accacagcag ttgcctctgc 360
cctgccacaa acctcggccg cgaccaccct taagggcgaa attccancac acttnt      416

<210> 604
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 309, 318, 328, 355
<223> n = A,T,C or G

<400> 604
aaagagctta tcctcagaaa taagcttcgt cttgagttgt tgaactacaa aacactattt 60
tctgcagtca tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120
tctccctgtc tctctgtccc tcctacccca cggggccgca gcaaaagcca tcctgggcct 180
tcgactgggc catgtcttca ggaagattcc tgaagaggag ggcccgaaat acctgccttt 240
ataggttccc agagtgccct aaacattctt agatacatat tttttacctg ccccggcggc 300
cgtcgaaang gcgaattnca cacacctntg gcgcgtacta tggatccaac tcggnccaac 360
ttgg                                                                364

<210> 605
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 159, 176, 177, 237, 305, 387, 410, 432, 435, 443, 444, 445,
474, 475, 506, 521, 527, 533, 540, 550, 565, 573, 580, 581,
586, 590, 613, 624, 633, 643, 649, 650, 656, 669, 675, 680,
701, 704, 735, 741, 746, 747, 751, 762
<223> n = A,T,C or G

<400> 605
actggcattc cttcgacttc tctccagccg agcttcccag aacatcacat atcactgcaa 60
aaatagcatt gcatacatgg atcaggccag tggaaatgta aagaaggccc tgaagctgat 120
gggggtcaaat gaaggtgaat tcaaggctga aggaaatanc aaattcacct acacanntct 180
ggatgatggt tgcacgaaac acactgggga atggagcaaa acagtctttg aatatcnaac 240

```
acgcaaggct gtgacactac ctattgtaga tattgcaccc tatgacattg gtggtcctga 300
tcaanaattt ggtgtggacg ttggccctgt ttgctttta taaaccaaac tctatctgaa 360
atcccaacaa aaaaaaatta actcccnatg tggtcctctt gttctaatcn tgtcaaccag 420
tgcaagtgac cnacnaaaat tcnnntattt attttccaaa agtttggaaa caannttaat 480
ttgccaaaaa aaaaaaaaac cttttntttt ttttttgtcc ncccaancaa atnaaaaagn 540
ttttttttn tttttttcc caatnccaat ttnaaaaagn ntcaangggn cttaaaaaaa 600
aaacttcacc ccnttttat aaanaaccgg ggnttatttt ttnaaaccnn ccccntcca 660
aaaaaaaang gggtnccccn aaaaaaaacc ttttttttt nttnaaacca aaataaaaaa 720
ccccctttt ttttnccttg ngaaannaaa ntttttttc cnaaaaaaaa atttc       775
```

<210> 606
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310
<223> n = A,T,C or G

<400> 606
```
cccgaatttt tggctatgat ggctagaaaa atgaaagata cagatagtga agaagaaatc 60
cgtgaggcat tccgagtctt tgacaaggat ggcaatggtt atatcagtgc agcagaacta 120
cgtcacgtca tgacaaactt aggagaaaaa ctaacagatg aagaagtaga tgaaatgatc 180
agagaagcag atattgatgg agacggacaa gtcaactatg aagaattcgt acagatgatg 240
actgcaaaat gaagacctgc tttcaactcc tttttccccc ctctagaaaa atcaaattga 300
atcttttacn ttacctcttg caaaaaaaaa aaaaaaaaaa aaa                   343
```

<210> 607
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 247, 249
<223> n = A,T,C or G

<400> 607
```
ctgtggccct gactcactgg ccctgctggc atttattcag cacatattaa atgacgaagg 60
ctttgagtca acaccatcag tgggtaatca atctggttgc cctccccta ccctgagaga 120
gctatcctgc ccataaacta tcaaaggtta gttttaggac cacataagta aacaagtcat 180
ttagataaac tacatttctg tgtatctatg ccctaagctt ttaagagaat tcagacctcg 240
gccgcgncnc cctta                                                  255
```

<210> 608
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 303, 352
<223> n = A,T,C or G

<400> 608
ggaaacactt cacgaagggg caaaagtggc ttcaattcta agagtggaca gcggggatct 60
tccaagtctg gaaagttgaa aggagatgac cttcaggcca ttaagaagga gctgacccag 120
ataaaacaaa aagtggattc tctcctggaa aacctggaaa aaattgaaaa ggaacagagc 180
aaacaagcag tagagatgaa gaatgataag tcagaagagg agcagagcag cagctccgtg 240
aagaaagatg agactaatgt gaagatggag tctgagggg gtgcagatga ctctgctgag 300
ganggggggac ctactggatg atgatgataa tgaagatcgg ggggatgacc anacctcggc 360
cgcga                                                              365

<210> 609
<211> 205
<212> DNA
<213> Homo sapiens

<400> 609
aaaatgcttt ggtggcactt ttgtaaacag attgcttcta gattgttaca aaccaagcct 60
aagacacatc tgtgaatact tagatttgta gcttaatcac attctagact tgtgagttga 120
atgacaaagc agttgaacaa aaattatggc atttaagaat ttaacatgtc ttagctgtaa 180
aaatgagaaa gtgttggttg gtttt                                         205

<210> 610
<211> 140
<212> DNA
<213> Homo sapiens

<400> 610
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctcctgttca                                               140

<210> 611
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335, 393, 411, 429, 452, 457, 462, 465, 488, 499, 528
<223> n = A,T,C or G

<400> 611
tccctctgtg gaagatattc aaaagccaca agtggtgcaa atgtttatgg tttttgtttt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttggggggag cggggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tctttttctc ttttgcccac aatttaagca agtagatgtg 240
cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300
aaagtttttt caaatttctt tctttttttaa tttanattga gttcatttat ttgaaacaga 360
ctgggccaat gtccacaaag aattcctggt cancaccacc gatgtccaaa ngtgcaatat 420
caaaggaang gcaggcgtga tggcttattt gntttgnatt cnaangatgg cttttcccct 480
cggccggnaa cacccttang gggaatttc cacacacttg gcggccgnta ctagtggatc 540
c                                                                  541

<210> 612

```
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 612
nnctggggta caagcagact ctgaagatga tcagacaagg caaagcgaaa ttggtcattc 60
tcgctaacaa ctgcccagct ttgaggaaat ctgaaataga gtactatgct atgttggcta 120
aaactggtgt ccatcactac agtggcaata atattgaact gggcacagca tgcggaaaat 180
actacagagt gtgcacactg gctatcattg atccaggtga ctctgacatc attagaagca 240
tgccagaaca gactggtgaa aagtaaacct tttcacctac aaaatttcac ctgcaaacct 300
taaacctgca aaattttcct ttaataaaat ttgcttgttt t 341


<210> 613
<211> 430
<212> DNA
<213> Homo sapiens

<400> 613
ctgcaccaca cttccagcaa ggcctttggg aaaggtggga gagctagagg aataattaaa 60
gctggtggaa ctcagttgga gtttagaaag cttcccataa aatgcctgct tgatgctgag 120
ttgggagggg agagaagaag gctccagagg ctcactgagc cccttccctg gctctcgggg 180
taatttccag aagggcaagt ccatgacaaa gggcatccct tccaagtgac ccaccagttc 240
caggggacta tgcccagtag ctttcctgtt ctcggcattt gccttaagag dacccccac 300
aaaagtcttc tcattcttga cgctgccaac aaaggcatgt gggctttgga acccagtctt 360
cccttggagt ctgtacccca ccagacatgg aagtttgtgc tttggtccca acaccctcgg 420
gccgcgaaca 430


<210> 614
<211> 377
<212> DNA
<213> Homo sapiens

<400> 614
aaacttaaat tacctctcaa gagaccaagg tacatttacc tcattgtgta tataatgttt 60
aatatttgtc agagcattct ccaggtttgc agttttattt ctataaagta tgggtattat 120
gttgctcagt tactcaaatg gtactgtatt gtttatattt gtaccccaaa taacatcgtc 180
tgtactttct gttttctgta ttgtatttgt gcaggattct ttaggcttta tcagtgtaat 240
ctctgccttt taagatatgt acagaaaatg tccatataaa tttccattga agtcgaatga 300
tactgagaag cctgtaaaga ggagaaaaaa acataagctg tgtttcccca taagtttttt 360
tacctgccgg gcggccc 377


<210> 615
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 508, 512, 525, 545, 546, 553, 556, 588
```

<223> n = A,T,C or G

<400> 615
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttgggtttg 60
cacattttg tttatcatac attttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gcccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
gggtacaatg gggaacgcct gatgttggag gaaagcagga ggactttaga agtggagttg 420
cattctaatc tctctgccgc ttcaactatg tgacctgggg caaatgatat aaactctatg 480
aacctctttc cttatcttta cctgcccngg cnggccgctc gaaanggcga atttcaacac 540
acctnngcgc cgnttnctat ggatccaact cggtaccaac cttggcgnaa tcatgg    596

<210> 616
<211> 214
<212> DNA
<213> Homo sapiens

<400> 616
cgcgcggccg tggaaggtca gcgccgtaat ggcgttcttg gcgtcgggac cctacctgac 60
ccatcagcaa aaggtgttgc ggctttataa gcgggcgcta cgccacctcg agtcgtggtg 120
cgtccagaga gacaaatacc gatactttgc ttgtttgatg agagcccggt ttgaagaaca 180
taagaatgaa aaggatatgg cgaaggccac ccag          214

<210> 617
<211> 149
<212> DNA
<213> Homo sapiens

<400> 617
ctgtgggcgg ctcctggtgc taacaacaaa gttccacttc caggtctgcc tggttccctc 60
cccaaggcca cagggagctc cgtcagcttc tcccaagccc acgtcaggcc tggcctcatc 120
tcagaccctg cttaggatgg gggatgtgg            149

<210> 618
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 33
<223> n = A,T,C or G

<400> 618
ttttcacaag ggcttctgaa gaccttaaga ctnatatggt tgtggctaat acaatggaag 60
actttcagaa gatactagat tctggaaaga ttgttcagat tccattctgt ggggaaattg 120
actgtgagga ctggatcaaa aagaccactg ccaggatca agatcttgaa cctggtgctc 180
catccatggg agctaaaagc ctttgcatcc ccttcaaacc actctgtgaa ctgcagcctg 240
gagccaaatg tgtctgtggc aagaaccctg ccaagtacta caccttattt ggtcgcagct 300
actgagggat gaacgaaagc cccctcttca actcctctca cttttaaag cattgatatt 360
aagtatcttc tcagatacag accgttttat gatttttac ctcggccgcg accacgctta 420
agggcgaatt ccacacactt              440

```
<210> 619
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 465, 502, 539, 547, 548, 552, 569, 574, 589
<223> n = A,T,C or G

<400> 619
ccagctctcc acgctgctcg gcatctgcaa tggcggcctc cagggaagcc ctctggcctt 60
tgaggccctc aatctcagcc tggagccggc tgatgttccg gttcatctca gagatctcag 120
tctttgtgcg ccgcaggtca tccccgtgct tcccagccag gctctgcagc tcctcatact 180
tgatctggta catgctctca gcctcagccc ggctgcggtt ggcaatatcc tcgtactgtg 240
ccttgacctc agcaatgatg ctgtccatgt ccagggagcg gctgttgtcc atggacagca 300
ccacagatgt gtccgagatc tgggactgca gctcccggat ctcctcttca tatagctgcc 360
tgaggaagtt gatctcgtcg gtcagccctt ccaggcgaga ctccagctct accttgtcat 420
gtaagcttca tccacatcct tcttgatgag dacaaattcg ttctncatct ctgtacctta 480
ttgatctcat cctcatactt gntcttaagt cctccaccac ccctgatgtt gcaactccnc 540
tcacttnnct tntctggcca aattcagtnc actnggcgga cacctaggna atcac       595
```

```
<210> 620
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 386, 411, 429, 495, 515, 520, 521, 530, 531, 534, 553, 569,
573
<223> n = A,T,C or G

<400> 620
tccctctgtg gaagatattc aaaagccaca agtggtgcaa atgtttatgg tttttgtttt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tcttttttctc ttttgcccac aatttaagca agtagatgtg 240
cagaagaaat ggaaggattc agctttcagt taaaaaagaa gaagaagaaa tggcaaagag 300
aaagtttttt caaatttctt tcttttttaa tttaaaattg agttcattta tttgaaacag 360
actgggccaa tgtccacaaa gaattnctgg tcagcaccac cgattccaa ngtgcaatat 420
caaaggaang ggcagcgtga tggcttaatt ggtttggatt ccaagaatgg cttttccacc 480
tcggccgcga acccncttaa gggcgaaatt ccacnccacn nttggcgcgn nttnctatgg 540
atccaacttt ggnacccaaa cttgggggna atnatgg                          577
```

```
<210> 621
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 311, 317, 320, 324, 328
```

&lt;223&gt; n = A,T,C or G

&lt;400&gt; 621
```
ccgggcgggt tgacctccgt gcctagtcgt ggctctccat cttgtctcct ccccgtgtcc 60
ccaatgtctt cagtgggggg cccectcttg ggtcccctcc tctgccatca cctgaagacc 120
cccacgccaa acactgaatg tcacctgtgc ctgccgcctc ggtccacctt gcggcccgtg 180
tttgactcaa ctcagctcct ttaacgctaa tatttccggc aaaatcccat gcttgggttt 240
tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaa 300
aaacttgggc ngaaacnacn ttangggnaa                              330
```

&lt;210&gt; 622
&lt;211&gt; 324
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;400&gt; 622
```
aaaaataatt tctattcaaa atacatgcat aattgatttt acacctcatt actggtggat 60
aatttatgtg atgtggattg ctggtgtcca gcatgaccca taaacaggtc agaagaatga 120
tggaatgttt tagaataaac tcctgcttat agtatactac acagttcaaa agatgtttaa 180
aatgcttttg tatttactgc catgtaattg aaatatatag attattgtaa cctttcaacc 240
tgaaaatcaa gcagtatgag agtttagtta tttgtatgcg tcactagtgt ctaatgaagc 300
ttttacctcg gcccgcgacc acgc                                    324
```

&lt;210&gt; 623
&lt;211&gt; 119
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;400&gt; 623
```
ccaaaagttt agcatattct gcagcctctt ctttattttt cttggtacgc tgcttcttca 60
gagcaatacg ccgccgtttg tgctgcagga cacgtggagt aacaagacgc tgaatcttg 119
```

&lt;210&gt; 624
&lt;211&gt; 301
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;400&gt; 624
```
ctgagattgc caagccggga agagaccttg ctccaggtgt agctgcgttt tccccagatc 60
acctgtcctt ttcccctccg acaaggaagc tgtgattttt ctctggcctt tagaggcaaa 120
gtgattccag ataagtagat taatgtgtag aatatctcat ctgtgttgtt ccagtgcagc 180
cctttcagct ttccagagcc agttagactt gttatgagga gctaagtgat tggctggctc 240
tggagctcag tttcatagat tatagcccag cgtacgagaa gcacgagtcc tatagttggc 300
g                                                             301
```

&lt;210&gt; 625
&lt;211&gt; 451
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 372, 374, 376, 382, 387, 393, 404, 411, 414, 424, 435, 438, 443

<223> n = A,T,C or G

<400> 625
aaatttcttt caaaagttta tttagtatca agcaagagga gactttgctt aacactacag 60
aacatttcaa gacttgagtt acaaaagaat accacattat ttgcacttgt aattggcttc 120
ccttttttacg catgttggca agagaaaaaa aactagcata tggctgaaag ataaaataac 180
taaattctat ggaaaccttt aaaatgaaag gtgaggctta tgttaaaaga atagattaac 240
atatttagta aacctatttt ttgtttaaca ctagttaatc aaagttattt tttttccttt 300
tgatgaccta ttttttcata tacagactgg aaataacaaa attttacatg tctttttttt 360
tttttttttt tncntnggcc gnaaccncct tangggaaa tccnccccct nggnggcgtt 420
ctangggacc aactnggncc aanttgggga a 451

<210> 626
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 425, 457
<223> n = A,T,C or G

<400> 626
ttttttttacg gttttttattt ttcaattttt attttggttt tcttacaaag gttgacattt 60
tccataacag gtgtaagagt gttgaaaaaa aaattcaaat ttttggggga gcgggggaag 120
gagttaatga aactgtattg cacaatgctc tgatcaatcc ttcttttttct cttttgccca 180
caatttaagc aagtagatgt gcagaagaaa tggaaggatt cagctttcag ttaaaaaaga 240
agaagaagaa atggcaaaga gaaagttttt tcaaatttct ttcttttta atttagattg 300
agttcattta tttgaaacag actgggccaa tgtccacaaa gaattcctgg tcagcaccac 360
cgatgtccaa aggtgcaata tcacctcggc cgcgaccacg ctaaggggcg aattccacac 420
acttnggcgc cgtctagtgg atcccaactc ggaccanctt gcgtaatcat ggcatact 478

<210> 627
<211> 277
<212> DNA
<213> Homo sapiens

<400> 627
aaactggaca acaaatccag catttcaagt gccagaagta taactttcta aggagagaag 60
ggttgtcaca ttataaaatc tttaggaaaa tgtgaactgg aaaacgcttc ggtcagtttt 120
agtgacatag cctgtgatga tgggtctggt gactattatt gcggaccgtg gtacccagtt 180
ttaggaatgt ggagaaagga attctgttga ttccgttgag gaatctgtag cgtatgcatt 240
cgttctgtta agagcaaatc taggagaagt gcttcag 277

<210> 628
<211> 322
<212> DNA
<213> Homo sapiens

<400> 628
aaacacagcg tttgaggcaa acagtagcaa cagcagcagc aaatgcacca aactgacgaa 60
aagacccaga tattttcctc actcatagtc agactgttgt gtctcacccc ttacataaca 120
tccaagtgag atttctcaca gtgctacctt ggcaacaaac taaaaatatc tagacaaggt 180
cttggtttaa gccttattaa aaaagctttc tttgtgatta tctggtatct ggtttggtct 240

ccagaaaata catagacttg gagataggta ggcctcacag gacttcattc tatatcttta 300
cagcatttgc aatcaaaact gg                                          322

<210> 629
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 442, 443, 450, 476
<223> n = A,T,C or G

<400> 629
aaactctgtg acttttcctg gttcaaaagg acagtcatgg acagcagcag aggagtgggg 60
gtctgaaaaa tgtaatcttt gtgtcaaggc actctgtggc ctcacaactg cccccctgtc 120
agagggatgc tgccttccag ccctaaagac actagggctt ttcaatggac ggggtgttga 180
agcagccaga tggtaaggtc ttcctgatgt cctccagatt gcgaatgtcc ttcatgatct 240
cctcgatatc tcggttatag tccatgatgg cagcctcctg cttcttggct tcattctcca 300
ggtcagacac tttcctatca agatcgctga ccttcatttc atctttggct ttgtttaggg 360
tgccttcaat ctcgtttagc ttattcaggt ccactgtatc cagacctgcc cgggcggccg 420
caagggcgaa ttccacacac tnntggcgcn gtctagtgga tccaactcgg accaancttg 480
gcgtaatcat ggcata                                                 496

<210> 630
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 71, 74, 442
<223> n = A,T,C or G

<400> 630
aaaattctta ctgtttattt atatattgca tagctcaaaa agtttgaaaa aatgaagttt 60
taacaggaag ncantaaatg ctcatagacc cccttgtctc tagcacttgg agtccttaga 120
gatgggaatc ttgacagcag aatttcagat gtttcaatca cttgccaagg aagtgccaca 180
cttgctcttc ttcattactt tctttatttg gtgaagatga taccgattca actaatgatc 240
ttgcttcctc ttgagtgcaa cggaaagggc tatcagatat cttgcacgtt tgtgcaattt 300
atagctcctc cattacactt cttcataagc aatgctttcc aacattgatg agtggattta 360
ataacttcaa gagcaaaagc cttgtttttg aattctccat taaaagcaaa ctggttttct 420
ggttttcccc tgcccgggcg gncgtcgaaa gggcgaatt                        459

<210> 631
<211> 66
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 20, 23, 26, 33
<223> n = A,T,C or G

<400> 631
actactatat ggcgnattgn ctnctngcat gcnatcttga gtattctata cgtgtcacct 60
aaatat 66

<210> 632
<211> 693
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 476, 484, 490, 523, 531, 541, 625, 648, 660, 671, 673, 686
<223> n = A,T,C or G

<400> 632
aaaagtcaca aatcacagtg ggagaatgcc aaattgcttt agcttggaac tactgaagac 60
gcacatagca tttattataa ggcctactct taggcagttc actctcaaag caatgaaaat 120
aatctcaaac caaacattac agtgggtttg aagcgttcct acgtttcttc cgagcaggtc 180
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240
ctttaataaa cactaaacta atagatcata gaaaactaaa agcttagaga aggtgcctcc 300
agacatattt acataaataa cgtacctcac aagaaagacc aagatctcat tagcggtgga 360
atgctttttc ccaaggctgg gtccatgcct catttgtcaa attaacccca tttgaggaga 420
aatttgagtt tgtggttcat gggtttttga aaaaaaaaa aaaaaaaagg gatttncccc 480
ttgnaaaacn tttttaaaat aatttaaaac ccaagggttc ccnggtaaag ncccaaccct 540
nttaaaaaaa aggggaaaac ctttgttcct ttaacttttt aacatttttt tccctaccttt 600
aaaggaaaaa aggtcccatc ccggnccctt aaaaaagggg gaaaaagnca aaggacgggn 660
ggccaaataa ntnccccccg ggcctnaagg aat 693

<210> 633
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 391, 418, 422, 425, 456, 478, 531, 558, 569, 575, 582, 600,
616
<223> n = A,T,C or G

<400> 633
ccattcctat gcatgtctgg gaggaccaca gccctggtgt ggagcactga caggtttgac 60
tttccaccag aattgcttgc tcagcttaat cccataatat tcctttccct tagatttgtt 120
ttctgtctcg gtaacttttt ctctctgcat ataaaatttc atgactaaaa taactttaaa 180
gtacagagat tgtattttgt tgaaggaatg cattgggggg gctttgggca gacttagcaa 240
aatgtttgta tagcaaaaat gttttcttgc taaaaactga tttgcaaact tgaaagtcta 300
gatgtgtgta ggaagatttt aaaattcagg caaattggtc tctaaagaga ccaattttgc 360
ttcctttgtc ttggttccaa taaggattta ntaccaaaaa gttcaaaagg ctggcttncc 420
anaanaattg tacatacttc tctgaacccc caaaancaag ggaaaaaata cctctaacct 480
tattatttat ctcaggggta aaaactaact accttatatt taaataaaca ncccctaaatt 540
aatttatttta attttggngg gggggcttna ggaancaatt tnaggggggga aaaaaaaggn 600
tttccaaatt tttaangaaa aaacaaaaac ccccaca 638

<210> 634
<211> 154

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 147, 149
<223> n = A,T,C or G

<400> 634
aataacttttt tatttgacat ctacaagatt ttggcatctt gcagcttttt accaggttta 60
tacaatctcg atttttcaat agtgcaacct gtggaagcaa aaaaaaaaaa aaaaaaaaaa 120
aaaaaaaaaa aaaaaaaaaa aaaaaanant aaaa 154

<210> 635
<211> 326
<212> DNA
<213> Homo sapiens

<400> 635
aaacagaaag tagtttttatt ttttctaaat aggatttttga tcacaaaaat gctggtgatt 60
caaacctttta aaacagaaga gcatacaacc taagaaaaat gcaaacagg ctacaaacct 120
gtacatcatg ttactgcact gaatactgta ggcaactgta acataatggt atttgtatct 180
aaacatagaa aaggtatagt aaaaatacag tattacaatc ttatgagact gccaacatat 240
acgtggtctg tcattgacca aaacatcatt atgtagtgca tgactattaa aattgtgcaa 300
aacaaacccc tgtatccata gtgttt 326

<210> 636
<211> 190
<212> DNA
<213> Homo sapiens

<400> 636
aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaatg ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggcccgcaa tactgtagga acaagcatga tcttgttact 180
gtgatatttt 190

<210> 637
<211> 84
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 63
<223> n = A,T,C or G

<400> 637
acatcaccta aaaaaggaaa ctgggtccta cggcttggac tttccaaccc tgacagaccc 60
ganagacaaa acaactggtt cttg 84

<210> 638
<211> 413
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 40, 179, 192, 211, 323, 338, 343, 367, 379, 380, 407
<223> n = A,T,C or G

<400> 638
ctgcaaacac cctgggccag aatttcttaa aacagctacn tgacaaaaac aatgctattg 60
acatccaata atgctaaagc ctgggtacca cccaggctcc·actgactgtg gtttccaaac 120
atctctccac tgactgtggt tttcaaccac aaggaaagga aaatggaata ttctttggnt 180
cttccagcct anacacaact cctgacctaa nacattgagt ggagagtcct aaccctttgg 240
aagttgaact ttctgctttc ttcctgggac tttggaactg agtttgaaca aaggacctgc 300
catcatgctg cccatggatt ttnggttaac ccttgganaa atnttgtcct ccttttctga 360
caaactnttt ttggacctnn ggcgcgaccc cccttagggg ggaattnccc ccc        413

<210> 639
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 250, 310, 315, 319, 325, 327
<223> n = A,T,C or G

<400> 639
cgaggtcctg ggctcgcctg gaccacaagt ttgacctgat gtatgccaag cgtgcctttg 60
ttcactggta cgtgggtgag gggatggagg aaggcgagtt ttcagaggcc cgtgaggaca 120
tggctgccct tgagaaggat tatgaggagg ttggagcaga tagtgctgac ggagaggatg 180
agggtgaaga gtattaacct gtgtgctgta cttttacact cctttgcttg gaactgctta 240
ttttgtctgn aatgctattg ccgtaaattg ttataaattg atgtttcatt ttacctgccc 300
ggcggccctn caaanggcna attcnancac cttggcgcgt actaatggat ccaact       356

<210> 640
<211> 162
<212> DNA
<213> Homo sapiens

<400> 640
aaccacaaag ctttacatct tcattttgac tgttccatag cagaataaag cacttgaaag 60
gaaacaagac tccctttcac acatggatta ttataagttt caatcctggt atctgtgctt 120
gatttttatc agttttgtgt agatttttat gtttcatatt tt                    162

<210> 641
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 243, 286, 393, 395, 430, 440, 459, 466, 476, 485, 501, 515,
528, 533, 539
<223> n = A,T,C or G

<400> 641
tccctctgtg gaagatattc aaaagccaca agtggtgcaa atgtttatgg ttttatttt 60
tcaattttta ttttggtttt cttacaaagg ttgacatttt ccataacagg tgtaagagtg 120
ttgaaaaaaa aattcaaatt tttgggggag cgggggaagg agttaatgaa actgtattgc 180
acaatgctct gatcaatcct tcttttttctc ttttgcccac aatttaagca agtagatgtg 240
canaaaaaat ggaaggattc agctttcagt taaaaaagaa aaaaanaaat tggcaaagag 300
aaagtttttc aaattctttc tttttttaatt aaaatggagt tcatttattt gaaacaaact 360
ggggccaatg gtccccaaaa aattcctggt cancnccccc catttccaaa ggggccaatt 420
ttcaaggaan ggcaggcctn aaggcttatt tggtttggna ttcaangatg gctttnccca 480
ttcanttgct tttttaaaca nccttttttca aaaanaagga cttggccnga acnccttng 540
ggg 543

<210> 642
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 239, 345, 358, 364, 375, 393, 394, 401
<223> n = A,T,C or G

<400> 642
aaacaagact ccagtatgtg aaggttaatt gctgtgctcc acagatcttg tctattggcc 60
cctgtagaaa gttaaccttt gttgttttcc ttttataatt tgcttattgc acaattgctt 120
tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180
aaaatgtttc tctcatttac tccttaaaca aaagacttaa attagtttgg gtcattatnc 240
tttatttgca gcatttggtt tgtattagcg taagagcaag tataggatat ggagaggccc 300
tgctcatgaa acaaaggagg cccaggtata atacagtttc tcctncctct tacttttntc 360
ccantttttcc ctgtngttcc tttcccaatt gtnnattcct nctggccccc aagggaa 417

<210> 643
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 436, 480, 483, 485, 502, 509, 512, 534, 543, 556
<223> n = A,T,C or G

<400> 643
aaatttcaga gatattaagc agagagagag tgaaaaagta acctttgttg ttttatccaa 60
ttttgcaagt tatgtataga gttagtaatg tttaaacgaa agggacttaa gccctgccta 120
gctctgacaa tggcaggaaa agaaaactca caggtaacta aacatttatc tagtaaggca 180
tagaacaaat tatattaaga tagatagatg aaacattatt caatgattac ttatgccttt 240
gtatataggc ctggtccagc gtcacatgaa agcagttcat tttgactgtc atcttctccc 300
aggtctgaag atggaacttt ggtcaacttg aatttgatgc cagatatcaa tattgactat 360
taagatcagt aggcgtcagg attcccttttc agatgagata catgtcccag gagtcaaagc 420
cctgcaactt acaccncaag ggtagttaat acatttcata aagacctttt ttaagtgggn 480
tananggagc tctcactgat gntaacatna gntggggggg ggaactgagt tatnattgtg 540
ganactcccg cggcgnctaa gggaa 565

<210> 644
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 279, 284, 320, 327
<223> n = A,T,C or G

<400> 644
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
agggagcttg gcttctgtag aagttctaag gaagcggtac gaactccacg gcggtggggc 180
gctaactagc agggacccct gcaagtgttg gtcgggggcc tcgagctgcc tgagctgaca 240
cacctgcccg ggcggccgct cgaagggcga attccaccnc cctnggggggc gttactagtg 300
gatccgagct cggtaccaan ctttggngaa a 331

<210> 645
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 168, 190, 199, 280, 292, 312, 317, 320, 326
<223> n = A,T,C or G

<400> 645
cgaggtaaaa agaaaggcct tacatattta ttactgaatc cagccaacca acgtgttcat 60
aacagattca gagaggaaaa cacgtcgaaa tctccagata gtggtgacat tttcagcttg 120
atatggtaac atgatcgtga ccttcaaaca gcataaatat gtgtgccntc tcatgtgcaa 180
ttccttatan acccagctng gttcttctcc aatgtctcct tttggagttg tacctgattt 240
tactaccagg tttcatctga atcccctggg ggatgggacn attttgcttt tnttttttgg 300
acctgcccgg gnggccnttn aagggnaaat tcc 333

<210> 646
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261, 264, 280
<223> n = A,T,C or G

<400> 646
ccgagaacta ttcctggcac tttttcgaaa gtttgatgag agatgccagc cccgctcttt 60
ccttcgtgac ctggtggaga ccacccacct cttcctcaaa atgttggagc gattctgtcg 120
gagccgtggg aacctggtgg tgcagaacaa acaaaagaag agaaggaaga agaagaagaa 180
ggtcctagac caggccattg tttctggtaa tgtcccatct agcccagaag aagtggaggc 240
tgtgtggacc tgcccggccg naangggcaa attccacccn ccttggccgc cgttactagt 300
ggatccgagc tcggtaccaa gcttgg 326

```
<210> 647
<211> 271
<212> DNA
<213> Homo sapiens

<400> 647
gaagtgcatt gggcttcaat ctctgaacac tgtagaccca ttagaagact gttccgattg 60
ttacaaattg tagtgcctga aaacactctt aagctgattg tcttaacaaa atgaaagttc 120
tccaaagaca aaacagaaca attattataa caaaataatt atggttgaaa tgtctgtggt 180
tccttggaaa tgctgcgctc tttgtgtttt tccatcatta gtgcagttgg aatgaatgtg 240
tataggtcag aggtcctcgt gttcacattt t 271


<210> 648
<211> 370
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 268, 312, 363
<223> n = A,T,C or G


<400> 648
aaaatgcaaa gaaaattaac tttcaatgat atgttcaggg actggcacta aaaaaaattt 60
tcagactgca aatgagttat acaaatgaaa atatcaaatg gagatccagt tatcaaaatg 120
aaagcactca acatattaaa agttcacaag tatttgtatt gagcacatta caaaagtcag 180
cttgctaact gttgtgattt taaagaacta ttgcagaagt ctgaagaaaa tagatttatt 240
agttaactta taaagagatt aaagaggntg aacaggtttt aaaagaaaat tggggctttt 300
ttaaaaaggt anggttttaa atttcccatt ttgaaaaaat aatggtggtg gtttggtttt 360
ttntaaaaaa 370


<210> 649
<211> 480
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 58, 104, 149, 152, 192, 197, 208, 235, 261, 296, 299, 406,
409, 448, 468, 469, 470
<223> n = A,T,C or G


<400> 649
ccacggggac tgttattcgc aagctggttt tctagaacct gttagctgga agcatggnga 60
gcaccatttc tggacgctca ggccgtgtcg ggctttcagt catntccacc acacaggtac 120
agcagcgctt tttggtagtc gcccttagng tnttgctgga tataatagta cagggacttg 180
ccgtactttt tnttganttc aaacctantt ttcaacatgt ccacttcact gcggnaaacc 240
atgattttga tcaggacctt ntttcgcgtc cccttgccct tcatggagtc atacanccna 300
tcagcaaaat acagggcttg gttctgaatg cactgaacca ggttcaggaa agcatttccc 360
aggctccttt aacctctttc ctgatctttt ccaacatggt cataanggnt ggaactcttt 420
gtacctatta acttgccccg ggggcgntt ccaaaggggg ggaaattnnn cccccccccc 480



<210> 650
```

```
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 280, 317, 343, 383, 388
<223> n = A,T,C or G

<400> 650
aaaaaattag ttgctttta tacagctata caaagttctt aatgtttctt tggcaatgga 60
atataatgga attttacaac tatataaaaa agttaccttt gcctaagaaa cagtatttac 120
tgtgtgtaca tagttgactg acaaaattct ctaccatcca gcaccctaat taattgacga 180
aataagctac ctcatattac aggattcccc aaaagaaagg aggaaaaaga cacacacata 240
cacacacaca cacacacaca cacacacaca cacaaccttn tgtggctcaa aacacagtat 300
cacggcccta tctgcangca acttgcaatt gcacctcgcc cgngaccact ctagggcgaa 360
ttccagcaca ctgcggcgtc tangatcnac tcgtccaact tggga               405

<210> 651
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 254, 420, 482, 489, 504, 522, 528, 533, 535, 571, 589, 624
<223> n = A,T,C or G

<400> 651
caagatggct gtcttcgcct tagtactcgt gtgaagttgg cagggacggt tcctgtcatc 60
ttcttgggct tatttggtgt gctgttgaag ggggagact agagaaatgg cagggaacct 120
cttatccggg gcaggtaggc gcctgtggga ctgggtgcct ctggcgtgca gaagcttctc 180
tcttggtgtg cctagattga tcggtataag gctcactctc ccgcccccca aagtggttga 240
tcgttgggaa cganaaaagg gccatgttcg gagtgtatga caacatcggg atcctgggaa 300
actttgaaaa gcaccccaaa gaactgatca gggggcccca tatggctttc gaggttggaa 360
agggaatgaa ttgcaccgtt gtatccgaaa gaggaaaatg gttggaagaa gaatgttcgn 420
tgatgacctg cacaacctta ataacgcatc cgcttatctc tacaaacact tttaaccgac 480
cntgggaang tttccaatag aaanaaaaaa acttgaaaaa cnttcggnaa aangnttcat 540
cttttccccc ttgaaaaaag ggaaacttgt ncttttccc tgggaaggna aaccggtttt 600
ggaattttc tcttggaaaa aaantggggg ttttttttt               638

<210> 652
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 369, 376, 404
<223> n = A,T,C or G

<400> 652
aaaattttag aagttaagac ttacgactac ctcagtatat gccattccta atagaaggag 60
gtatgacggt ttcaaactcg tgcagagctg cattttcatt tacaagtctc tgtaggcact 120
```

```
ttagaagtga agcttggctt caaagtacaa acactggggg ctttggctca acctttaat 180
ataaaaaaat tcactgatgt acaaaaattt gaaagtgtga caatgacaat tatgaaatcc 240
tgtgactgaa agtcccctcg agtgcactct gtgggtgcac atgcgcccgc cacacaaact 300
ctggcatgga aacataaact aatgcaaacc atgctcccag aacccacacg tgtgtctcat 360
tccccaatnc agacanactc gcggaccta gggaatcacc actncgcgtc taggtcactc 420
gacactgggt atg                                                   433
```

```
<210> 653
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 465, 474, 484, 485, 516, 522, 540, 541, 542, 550, 565
<223> n = A,T,C or G

<400> 653
ccataaacac agaagatggt tttggctttta cattgacaca tttctgtgtg tcaatgtaga 60
agagaaaga agtttaatta tacctttttaa gcaggcaaac cattataata aactgcttta 120
gaaattactt taaaattata cacgtttgga acaacagatt ttttaaaaaa tgaagtttgg 180
tgttatgtca gcattttaac tatttttgct atagcgaggc ctcctcatat attatcataa 240
tttatcatag tttaaatagt gaatcatatt ctgatattct gattaataat catattaatt 300
ttgacaatga ttttagtttt tgaagtttta gactgcatct taaaaaaggc cataatctct 360
ttaaatacct catcatagaa tattaactttt taataaaagg ttattttgat attggaataa 420
ggacatggta ccaatatctg ttttacctgg aagcatgaaa atgtnttaaa aggnaaataa 480
aaannccaaa gtagtgtttt acctcggccg cgaccnccct angggggaatt cccccccccn 540
nngggcgttn ctatggatcc aactng                                     566
```

```
<210> 654
<211> 234
<212> DNA
<213> Homo sapiens

<400> 654
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gcccctcagc 180
gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttcctt cagg        234
```

```
<210> 655
<211> 169
<212> DNA
<213> Homo sapiens

<400> 655
aaaaccctga aaatatttaa tacagaataa aaacaataag ctcaaagtac atgtttcact 60
ataatagaca ccatattcat gaacctgggt ttggttttgg caacacataa tttttggttt 120
aaaagtgaac aatgaaaacg gatgtttcac attcaatatc ctagtctttt              169
```

```
<210> 656
<211> 601
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 495, 504, 509, 517, 535, 540, 544, 546, 593
<223> n = A,T,C or G

<400> 656
tctggatctt ccaaaatata cagaaaaaga aactctacgc tctaaactga tccaagctat 60
tgatcacaat gaaggcttca gtttaatata actttggagt tataactatt cagtttagtg 120
caaaagcatt aaactatttg tgtttttctt gtggtgatga attcagcaag gtgacagagg 180
tactattata attcttactt gcagaatgtt caatctacga gtgttcatgg aagccaaaaa 240
atattaaagg aaaatgaaca aactgttaat attattgtac agaaccatgg attttttttg 300
accatcttct aataaacata gcaagtatta tgaatacatt aaagtttac taacatgaat 360
tttaagagtt tgcatatttc aaaaatgatc tggtgtgagt gcatggaaat attgcttaat 420
ttttcttcaa tcattgagtg aaaaaccttt aactttggcc tgcaatagca tttgatattt 480
tttcattttg taaanaaagg taantttgna ataaaanatt atttttgat accantccan 540
tttntntggt gtaattgact tgaacaaaat ttactttggc gggaaccccc ttnggggaaa 600
t                                          .                          601

<210> 657
<211> 224
<212> DNA
<213> Homo sapiens

<400> 657
ccatctatac accattctta ccacacaatt gacaaatgat gaactttctg agaaggtgaa 60
aaactatagc aacctccttg ctttctgtag gagaattgaa cagcactatt ttgaagatcg 120
tggtaaaggc aggctgtcat agagttatgt gttagtctca ggagtcttaa cttttgaaat 180
atgttttact tgaatgttac attagatatt ggtgtcagaa tttt                   224

<210> 658
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature .
<222> 218, 229, 235, 263, 265, 271, 286, 289
<223> n = A,T,C or G

<400> 658
ccatggaaga agggcaggca tatggagtat gaatgcccct acttggtata tgtgcccgtg 60
gtcgccttcc gcttggagcc caaggatggg aaaggtgtgt ttgcagtgga tggggaattg 120
atggttagcg aggccgtgca gggccaggtg cacccaaact acttctggat ggtcagcggt 180
tgcgtggagc ccccgcccaa acctcggccg caaccacnct aagggcaant tccancaccc 240
ttggcgcgtt actagtggat ccnanctccg nacccaactt tggggnaana tggggg       296

<210> 659
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> 425, 434, 507, 514
<223> n = A,T,C or G

<400> 659
gcccaaacat ctccttgcat ttttgttggc tgaattgggt acaagtggtt ctatagatgg 60
taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa atgtcttgag 120
aagatatatc aaggaatatg tcacttgtca cacatgccga tcaccggaca caatcctgca 180
gaaggacaca cgactctatt tcctacagtg cgaaacttgt cattctagat gttctgttgc 240
cagtatcaaa accggcttcc aggctgtcac gggcaagcga gcacagctcc gtgccaaagc 300
taactaattt gctaatcact gattttgcaa acttgttgtg gagatgtggc ttggacaggt 360
ttgccatcag aagtggatat ccgttgtatt aaaaacaaga taaaaaactg ccaagatttt 420
tggcnagtgg tggnctgaat ccttgcaaga ccttatgctc aactgttgac atctcttgct 480
cttaccctgt aaaaaactga aatgggnaag aggnttttac tcgcggaccc ta 532

<210> 660
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 432, 498, 531, 534, 548, 566, 572, 580, 593, 601, 611, 612,
617, 622
<223> n = A,T,C or G

<400> 660
aaattcttgc attacacttt tcttttttaaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcatcttct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaaggtt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtgttgaa gtttatttat 300
tatagcacca ttgagacatt ttgaaattgg aattggtaaa aaaataaaac aaaaagcatt 360
tgaattgtat ttggtggaac agcaaaaaaa gagaagtatc attttctttt gtcaaattat 420
actgttccaa cntttggaaa taaataactg gaattttgtc ggcacttgca ctggttgaca 480
agattagaca agaggacncc tatggagtaa attttttttgg tgggatttca natnagtccg 540
ttataaanga aacaggccac gtcccnccaa tnttgtaggn ctgcccgggg ccnaagggaa 600
ntcccccct nngggntttt tngcca 626

<210> 661
<211> 344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 304, 314, 320, 338
<223> n = A,T,C or G

<400> 661
gaaggccttc gataggcact gcaacatggt gctggagaac gtgaaggaga tgtggactga 60
ggtacccaag agtggcaagg gcaagaagaa gtccaagcca gtcaacaaag accgctacat 120
ctccaagatg ttcctgcgcg gggactcagt catcgtggtc ctgcggaacc cgctcatcgc 180
cggcaagtag gggccgctgt ctgttgacag aactcactcc tctgtcctat gaagaccgct 240
gccattggtg ttgagaataa taaagctctg tgttttttttc taaaaaaaaa aaaaaaaaaa 300

aaancctttg gccnggaacn ccttttgggg gaattccncc ccct                    344

<210> 662
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 344, 346, 386, 418, 427, 431, 444, 476, 494, 498, 508
<223> n = A,T,C or G

<400> 662
ccggacatcc caacgcatgc tcctggagct cacagccttc tgtggtgtca tttctgaaac 60
aagggcgtgg atccctcaac caagaagaat gtttatgtct tcaagtgacc tgtactgctt 120
ggggactatt ggagaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa 180
tgttctaggg cactctggga acctataaag gcaggtattt cgggccctcc tcttcaggaa 240
tcttcctgaa gacatggccc agtcgaagcc caggatggct tttgctgcgg ccccgtgggg 300
taggagggac agaagagaca gggaagagtc ancctcccat tcanangcat cacaagtaat 360
ggcacaattt cttcggatac ttgcanaaaa tatggtttgt agttcaacac tcaagacnaa 420
cttattntta ngataactct taangcaact tattcatcct cactttgcct cttacncatg 480
taaaagatta tttnaacnga ggagatgntg tggacctccg ctggacctaa ataccttgta 540
ctact                                                            545

<210> 663
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 371, 381, 409, 466, 469, 476
<223> n = A,T,C or G

<400> 663
ccactgcagc accattggca agagctaaaa gctggacaca agccggatgg cccgcggctg 60
gggagggtca aatgaactac aatccatcca catgaaaact gggcgctgct acaggaagga 120
ggctccttgt gtgccatcag ggagaggcct tggcgccagc tccctaggaa ggcaggctgc 180
caggcagtat gtccagaagg agctcactct ggtgaaaaca acaaacaagc catcaacact 240
ggctgtgcag gcaaaggcgc agagtccaga aggaatagtc ctgactgtta gcagagctaa 300
cagtctttcc tgctctctgt ccatctgtgt gtccttccat tcatccatct cttctgctgg 360
anacacttca ngggcgcact natgtggggg ggggggcctt tcaccttgna ttttatatct 420
ttggactgct ttgttcacac taaacatcaa cccctttactc ggccgnganc cccttngggg 480
gaattccccc ccc                                                    493

<210> 664
<211> 329
<212> DNA
<213> Homo sapiens

<400> 664
aaagttgtga gtttttattc aattttttga ggcctcttat ttcctgaggc tacatttta 60
agtattaaaa gttaggcaac tacaaccaag gaacttggtc atttgttatt tgtaccaaat 120
gttcacaaac ttattcgggc gtggtggtgc ctgtttgcaa tcccacctat tggagaagct 180

```
ggggcgggag agtctcttga ctctagaaga cggaggttgc agtgatccga gatcgcgcca 240
ctgccctcca gtcagagtgg cagagactcc tggggcggga gagtctcttg actctagaag 300
acggaggttg tagtgatccg agatcgcgc                                    329
```

```
<210> 665
<211> 364
<212> DNA
<213> Homo sapiens
```

```
<400> 665
ccagtttggt gtcggtttct attccgcctt ccttgtagca gataaggtta ttgtcacttc 60
aaaacacaac aacgatacccg agcacatctg ggagtctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattaccttg aattggatac aattaaaaat ctcgtcaaaa aatattcaca 240
gttcataaac tttcctattt atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaacagccaa agaagagaaa gaagaatctg atgatgaagc tgcagtagag 360
aaaa                                                               364
```

```
<210> 666
<211> 173
<212> DNA
<213> Homo sapiens
```

```
<400> 666
gtgctgtgcc acctggtgcc gacaagaaag ccgaggctgg ggctgggtca gcaaccgaat 60
tccagtttag aggcggattt ggtcgtggac gtggtcagcc acctcagtaa aattggagag 120
gattcttttg cattgaataa acttacagcc agaaaaaaaa aaaaaaaaa aaa           173
```

```
<210> 667
<211> 200
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 188, 195, 197
<223> n = A,T,C or G
```

```
<400> 667
aaaaaaattc cccctttaa ttgaccaaag taaagccatg acatttcatt tggtaacctg 60
tttagaatta taaaaatcat ttcatttggc ccagcccata ctgcccaaga caaaacttcc 120
agacaattct gatgccatcc agttttgttc ttacaaactg catattaaaa aaaaaaaaaa 180
aaaaaaantt ttcancnccc                                              200
```

```
<210> 668
<211> 235
<212> DNA
<213> Homo sapiens
```

```
<400> 668
ctgtcaacga aggcttgaac caacctacgg atgactcgtg ctttgacccc tacacagttt 60
cccattatgc cgttggagat gagtgggaac gaatgtctga atcaggcttt aaactgttgt 120
gccagtgctt aggctttgga agtggtcatt tcagatgtga ttcatctaga tggtgccatg 180
acaatggtgt gaactacaag attggagaga agtgggaccg tcaggagaa aatgg         235
```

<210> 669
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 511
<223> n = A,T,C or G

<400> 669
aaagcgggag atacatgagg tgggaagctt gttacaggag ccggaaacaa aggcagtaaa 60
ttattttgtg acatgtctta gattttgagg aaaaccggaa ttgcaactta ggttttatct 120
actttaggac cttgcagcag catggcaaag gagacaggat cttacaggac tttacaaagt 180
atgtttacaa ggaatctgaa ttgggagtgt agataaggtc cactggtcac agaaaaatga 240
gcagttaaca ttcctttatt ttagtttcag gggcggggga agggagagag ggagagaaga 300
tacagggaaa cttacagcaa attttttcact gtttatagct ttcttgggga agaaaacaca 360
tgcacgaatc ctggtgttag gaatatttta agcgtatatc ttcaatatta ttcatccagg 420
actgaagtaa gtcctgatgc aggaaatgaa tgagtttcac agctttctga cccctcttgc 480
ccaggaaccc agactgccgg gcgggcgctc naaaggggaa 520

<210> 670
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 341, 347, 358
<223> n = A,T,C or G

<400> 670
aaaattatct acactgaggt tacataactt tggtaaaagt tccaaagttc actaatatat 60
tcctaggggg cactaaaaaa atctacaact ttatttaaat aattttcaag gctacttact 120
ttcttcattg cattcactct ccacgaattc ataaaatatg catggacacc tatcgattca 180
aagtacacca taaacttact gtaaaaatcc agtattactt aaaacatctc tactatcatt 240
caaatggttt aatctgactt aatgggcagt ttgctcaagt gaaccacctg ctgctcactt 300
aattctcttc acattaatct taatttacct gcccgggcgg ncgctcnaaa aggggaantt 360
ccc 363

<210> 671
<211> 153
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 140, 146, 148
<223> n = A,T,C or G

<400> 671
cctgcttcac ttgcagataa gtttattata attctccaga aatgtgtagg atgtgcatta 60
gcaaattgca ctgtactttt cactccagcc tgggtgacag agcaagactc ccgtctcggg 120

```
ggcttaaaaa aaaaaaaaan gctgtntnta aat                                153
```

<210> 672
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 469, 477, 481, 486, 507, 528, 575, 583, 592, 595, 604, 605,
606, 618, 655, 660, 686, 688, 689, 707, 716, 718
<223> n = A,T,C or G

<400> 672
```
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatgat gttgaacttg 120
ttgctgaggg caacagcagg ttcacttaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcacctttg gacatcggcg gtgctgacca ggaattcttt gtggacattg 300
gcccagtctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
actttctctt tgccatttct tcttcttctt ttttaactga aagctgaatc cttccatttc 420
ttcttgccat ctacttgctt taaattgtgg gcaaaagaaa aaaagaang gattgantca 480
naacanttgt gccaatacaa gtttcantta acttcctttc ccccgctncc cccaaaaaat 540
ttgaaatttt tttttaacc ccttttttacc ccccnttttt ggnaaaaagg tnaanccttt 600
tgtnnnaaaa accccaanta aaaaattgaa aaaaaaaaaa cccttaaaaa ttttnccccn 660
ccttgggggt tttgaaaatt ttcccncnna gggaagttcc cttggcngga ccccntngg 720
gggaa                                                               725
```

<210> 673
<211> 363
<212> DNA
<213> Homo sapiens

<400> 673
```
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatacacca cacgatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atccctgtct 360
agg                                                                 363
```

<210> 674
<211> 295
<212> DNA
<213> Homo sapiens

<400> 674
```
ggcaggtccc tggactagtg cagtccttgc cctcagcccc agaccagaga tgggtggtat 60
atgccatgtg gggtgggtga tgtcagtaga taaaagtgtg agagaagggg tctccaggga 120
agagtcacag gctgttggac acagcctggg tggcagaggg cagggtcatc accctctagc 180
atcagtgcct gctcctgcct gccctggccc tgaggctcca ccacttcttc ctccacccag 240
gacctaatgt acgtgtgttt tgttttttgt tttttacctc ggcccgcgac cacgc        295
```

<210> 675
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 299, 311, 323
<223> n = A,T,C or G

<400> 675
aaaaaccata catccttttt attgttaagt cataaagagg tatcaaaatt aaaagcaaaa 60
attacagggt aagacttaac aaaactacta ggagcgtcaa aggaagtgaa aatgggacta 120
ggcgcggggc aatatgaatt aatgaacatg ggaaggacaa ggatgggggag aacagtgagc 180
atgtgctgaa gatactaggg gagaggatct ggtgaaaaat ttgatcttag acaagcgcct 240
aggtaaagaa ataatgggat aagatttcac ctcggcccgc gaccacgctt aaggggaant 300
tcccccccccc ntggggcgcg ttnctagtgg atccgagctc ggtaccaagc ttggcggaat 360


<210> 676
<211> 208
<212> DNA
<213> Homo sapiens

<400> 676
ccatgtgtgt caaagtcagg gaatccctcc tcctgggagc caagaggaag tctctcaaaa 60
ctagaaggga aaggtgtttt ctccacatca atccagcttt ggagacattc tattagtgac 120
atatgcccct tcccccaaaa acaacaatga agtgttctgt gtgctaacaa catagctttt 180
aaaaaaaaaa aaagtaaaac aaaatttt 208


<210> 677
<211> 496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 176, 362, 439, 450, 453, 470, 482
<223> n = A,T,C or G

<400> 677
ataactgtca acctgacacc cgagctggct caggtgaacg agtactgaga ggagagaatg 60
tacgtttgct ttacccaccg ccaccaagaa agcagtccga tgagattttt tttttggagg 120
ggggagggtc tacacagcaa gagaacagaa atattgtgtc tcatgaagga tcacanagtt 180
caggggggaaa atgtgacagc acacgcacaa acgccttcac tggatcagcc gctggaactg 240
agggagtgag cttggggact tccttcgtca gcactggctt tctgttttca caagacagac 300
gtctgtcccg ctgctctctc cccatctcct accccacatc ctgtcttagc cgcagtctcc 360
anacccatga tgaactgtga tctgccgtgg cctgccgtgg tcctgccgtg gacctgtccc 420
taccatgacc ttggacctnt tgccttcaan canaggaaac ccccagggan actcgccgga 480
cnccttaggg gaatcc 496


<210> 678
<211> 570
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 427, 481, 525, 549, 550, 559
<223> n = A,T,C or G

<400> 678
gtagctggcg gtcccgggtg ctgctggtta gtgtgctctg ggggagggtc cgagccagcc 60
gctgttttgc cggaggagcc cctcaggccg tagtaagcat taataatgtc tttcatcttt 120
gagtggatct acaatggctt cagcagtgtg ctccagttcc taggactgta caagaaatct 180
ggaaaacttg tattcttagg tttggataat gcaggcaaaa ccactcttct tcacatgctc 240
aaagatgaca gattgggcca acatgttcca acactacatc cgacatcaga agagctaaca 300
attgctggaa tgacctttac aacttttgat cttggtgggc acgagcaagc acgtcgcgtt 360
tggaaaaatt atctcccagc aattaaatgg ggattgtctt tctggtggac tgtgcagatc 420
attctcncct cgtggaatcc aaagttgaac ttaatgcttt aatgactgat gaaacaatat 480
ncaatgtgcc aatccttatc ttgggtaaca aaaatgacag aacanatcca tcatgaaaaa 540
aaactcccnn aaaaatttng gtttttggac 570

<210> 679
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 459, 505, 512
<223> n = A,T,C or G

<400> 679
aaaagaattt ttgctttctt tctctctaaa ttttccttcc gtgctttgat gcgggctcgt 60
ttctcacgtt ccagtctgag aaaatggtcc acataaggca aggcaaagaa tcgtttccta 120
ttgtatcttt tatttaggtg ccaaggtata acccactgct tgaacttgtg ccagatgatt 180
cttccaaaga tgtctcttct ccaagcacca ggtctagctc tttcttgacc agtctgaaga 240
agccttaggg catcttctct ttcctggaca actttatcta atgcatccat ggaatctact 300
accttatcta accgctctgg acttggcatt ggcaatctct gccgcttggc ctcctgctct 360
agggttagaa gcatgtttct ttctttcagt aagacatacc aaaagtttgt gtaaatcttc 420
attacttttt tccttattgc tgacaggtcc atgctgctnc agaatttact ttttcttgcc 480
cccagttttt tgggcatcaa aaaancctgc cngcggccgt ct 522

<210> 680
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 47, 52, 55, 60, 65, 72, 80, 88, 124, 193, 308, 346, 377, 420
<223> n = A,T,C or G

<400> 680
caggaagatg gtggcccgca aagaaaacga aaaagtcgct ggggtcnatc anctntaggn 60
tccanctcgt tntgaaaagn gggaagtncg tcctggggta caagcagact ctgaagatga 120
tcanacaagg caaagcgaaa ttggtcattc tcgctaacaa ctgcccagct ttgaggaaat 180

```
ctgaaataga gtnctatgct atgttggcta aaactggtgt ccatcactac agtggcaata 240
atattgaact gggcacagca tgcggaaaat actacagagt gtgcacactg gctatcattg 300
atccaggnga ctctacatca ttagaagcat gccaaaacaa actggngaaa agtaaacctt 360
ttccctacaa aatttcncct gcaaccttaa acctgcaaaa ttttccttta ataaaatttn 420
ttgtttacct cggcggga                                              438


<210> 681
<211> 182
<212> DNA
<213> Homo sapiens

<400> 681
gggggacgtc agagaaacgg cgtcatgccc agccacttca gccgaggctc caagagtgtg 60
gcccgccgg gtcctccaag ccctggaggg gctgaaaatg gtggaaaagg accaagatgg 120
cggccgcaaa ctgacacctc agggacaaag agatctggac agaatcgccg gacaggtggc 180
ag                                                               182


<210> 682
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 405, 417
<223> n = A,T,C or G

<400> 682
aaatgaaatt acaaactacc cctccttgtc aaaaatccac atgaagttga tattggtgtt 60
tataaatcac tctctcccag tccctcactg gttccaacct tcaggtgata aaaattagga 120
tgggatccat cctccctgtg ctgacagtct ggggtccccg catgtatgca caaacccgcc 180
cagcgtgcgc acacacgttc agaagaaatc ttcaaaggaa ccgagcgttt ggagaaagtg 240
gcaagtccac agaatcagag gttacgaaca caccttcaat aatattaata cattcctgtc 300
tttaaattcc ttgccatgtt tccatcaaag tagagcacac attgttttcc agaacctggg 360
ggctcgacct gggtgggaca ccaggatgca gacctcggcc gcganccct taagggngaa 420
atttccc                                                          427


<210> 683
<211> 419
<212> DNA
<213> Homo sapiens

<400> 683
aaactttggt ttgaaaattg cagttacaaa acccaaatga gaggacacgg acaaaaaagt 60
aacaaaaaga cagatgccct gaatcagaca catcgctaac aagcaagaga tgaggagatt 120
ccatttggtg ttattccggc atagagcaag cggcaggctt tgatgcagaa gcttattgta 180
gaattgttaa gtgattttag tcgacaggat cacatacaaa tcatttacaa gccacaatta 240
gtttattatt tacataagac atttctcttt aaccaggtta attgtttttc ttaaaatggc 300
atagactcct ctggttagta gttttattat gcacctcttt caaaactgag gctcctcatg 360
gctgtgtgtt ggaactttt taaaataatg tttttctaca ttattactga aatgcatca 419


<210> 684
<211> 509
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 295, 372, 421, 429, 469, 478, 481, 497, 500
<223> n = A,T,C or G

<400> 684
ccagccacgg taaccacgat gggtccatcg ctggatggga ccagaaagtg aatacgccga 60
ggcatagggt tgtagcagaa aaagaggttt catcgtaggg tcaccgaagg aggaaatggg 120
aggaaacgtc aaatccatct ccctgaggag tttggggctg gggttttaa gggtttggga 180
gtggagactg gagtgtggga gatggttgat tggtcgaagt gtgcagggtg ggagtcatgg 240
gaagagggag acgaaagctg tattttcat tgcttgaatc accattcctc ttgtngggg 300
gtctttcaaa acttggtttg gtggtccggc ttgttttgc ttggaaaatt caaggaatct 360
tgaaaaaaac antctttaaa gccaagttct tttaaaccaa aaaaaatctt taatgaattc 420
ntaaatggnc aagaaaaatc ccccatctta tttttaccc ttgcccccng ggcggggncc 480
ncttttaaaa aagggngggn aaatttttt 509

<210> 685
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 375, 388, 393, 395, 404, 407, 421, 424, 435, 436
<223> n = A,T,C or G

<400> 685
ccacctagca gggctcctct aaacacgcaa ctcagcgagg ggaccccctt cacctctggc 60
aagagagctg ggtagatcag aaacttggtg acacctggct agcacagagc aggctcactt 120
gtcttggtcc cactacccag attcctgcag acattgcaaa ccaaatgaag gttgttgaat 180
gacccctgtc cccagccact tgtttttgtta tcatctgctc tgcagtggaa tgcctgtgtg 240
tttgagttca ctctgcatct gtatatttga gtatagaaac cgagtcaagt gatcatgtgc 300
atccagacac actgtgtcac ctgaccacag agcaaatacc ttaacaatct ggaatgaaac 360
ttgtgaccag tgccncccctg ggtggttntg gananactgc cgtnttnttt ttgaactcgg 420
ncgngaacac ccttnngggg gaatt 445

<210> 686
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 152, 171, 250, 265, 284, 302, 304, 310, 315, 323, 328, 329
<223> n = A,T,C or G

<400> 686
gtccttaggc accagtcttt gttaaacaaa acccttggc actattgtgg ttttctattc 60
tctgtctgaa ctctattcaa aagtatcttt gctctcttgg gccttttctt ttactgtttt 120
gtttttttt tctaatcttg ctttcatact anccagtgtg gggaaaaggt ncaatatgtc 180
aaagagatga gagagtgtta tttcttgggc aattttctat tagtgtttct tattttggac 240
ctcggccgcn accaccctaa gggcnaattc caaccccact gggngcgtta ctagtggatc 300

```
cnanctcggn ccaancttgg ggnaaaanng gg                              332
```

<210> 687
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 446, 458, 478, 503, 511, 518, 522, 547, 548, 558, 559, 568,
571
<223> n = A,T,C or G

<400> 687
```
ccaggagggg tctggctggg acatgccact ctgggccatc agcttctgga tccactcaaa 60
gtggtggctg atattggtgt agacaccggg ccgattgggc cgaccacagc ccactcccca 120
gctcacgact ccaatctgat accacagtcc attcttgtta caggccaagg gtccacctga 180
gtcaccgaag caggcatcct tcccgccttg ggcattgcca gcacaaacca tgtctccaaa 240
gatgtccttg cggaaactgt acttgaggaa gaggtggttg cacatagagt tgtttatgat 300
ggcgacctga acttcctgga gggtgtgggg agatggcaat gcctcatcct ctttgatgta 360
cccccagcca gtcacccagc agtcttgtcc ggttctcaaa cttaaatgtg gaggccttgg 420
aaacagatgg gcttggatgt gtttantgta ggtgacangt gcagacaact tcaccaangc 480
aatgtcatag ggtgaattcc cangtagcga nggctcanat anattttata ccaataacgg 540
gtgtagnnga ctcggcgnna ccccttangg ngaat               575
```

<210> 688
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 447, 487
<223> n = A,T,C or G

<400> 688
```
cattaggcca gcaacgcttg tagaactcac tctgggctgt aacgtggcac tggtaggttg 60
ggacaccagg gaagaagatc aacgcctcac tgaaacatgg ctgtgtttgc agcctgctct 120
agtgggacag cccagagcct ggctgcccat catgtggccc cacccaatca agggaagaag 180
gaggaatgct ggactggagg cccctggagc cagatgggaa gagggtgaca gcttcctttc 240
ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaaccct 300
ggcttggggt caagaaacag ccagcaagag ttagaggcct tagggcactg ggctgttgtt 360
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggacctcgg 420
gccgcgacca cgcttaaggg cgaattncaa cacactgggc gggccgttct aatgggatcc 480
caacttngg                                         489
```

<210> 689
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 355, 408, 415, 465, 472, 508, 522, 546, 547, 556, 572

<223> n = A,T,C or G

<400> 689
ctgttattta tgtggctcat gatgcttatt gagcaatctg caaaaataga tttcctgtct 60
cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttggtcaa 120
attagagctg ccaccatgca cgaggtttta cttaaaggtg tttactgatg aataaactca 180
cacttctgtg aactggttct tgcttcttgt gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaagggag 300
tagtctgggg aataggaccc atcactcatg gagccttttg tatttgatcg cttantgcat 360
caacaatgtg taaccccaca atggtgggtt gagctgcttg ccacatanga agaantttcg 420
gcttttgaag gtttcctctt ttaaaaagaa ataacaattt tcttntgttg antcttgtca 480
aaaaaaaaaa aatgtttggg aaccttgncc cgggcgggcc cntttaaaaa gggggaaaat 540
tccaanncac ctgggngggg cggttactta angggaacc caaa                  584

<210> 690
<211> 196
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 104, 144, 170
<223> n = A,T,C or G

<400> 690
cctcggggct tatacaatga gcagtgggct ctaccttcca acaggaagtg caaactaatt 60
cgaagtcaca cttcaccagg agggagagat ggtcttggct gaangcactt taatcaaggg 120
aacaaaccca atgccggaat ttgncttctc ttactttat aaatctaaan accactttt 180
tggaaaacca acactg                                                196

<210> 691
<211> 365
<212> DNA
<213> Homo sapiens

<400> 691
aagaattcac ttgagtccta tgccttcaac atgaaagcaa ctgttgaaga tgagaaactt 60
caaggcaaga ttaacgatga ggacaaacag aagattctgg acaagtgtaa tgaaattatc 120
aactggcttg ataagaatca gactgccgag aaggaagaat ttgaacatca acagaaagag 180
ctggagaaag tttgcaaccc catcatcacc aagctgtacc agagtgcagg aggcatgcca 240
ggaggaatgc ctgggggatt tcctggtggt ggagctcctc cctctggtgg tgcttcctca 300
gggcccacca ttgaagaggt tgattaagcc aaccaagtgt agatgtagca ttgttccaca 360
cattt                                                            365

<210> 692
<211> 293
<212> DNA
<213> Homo sapiens

<400> 692
aaaatccctc aaaaactgtt tattatacaa gtgagttttg agtcacgatg ggcttatcgg 60
taggatttct ggtagcgagc gcgggcacca ggacctccaa acttttttgga ctcgcagcga 120
cgagggtcag ctaccagcag ggtccggtca tactggatga ggatgtcttt gatctccttc 180
ttggaagcct catccacata tttctggtaa taggccacca gggctttgga gatggactga 240

```
cggatagcat aaatctgggc cacgtgacca ccacccttta cacggacacg gat        293


<210> 693
<211> 230
<212> DNA
<213> Homo sapiens


<400> 693
cctgggtttg gatttcagaa tcctagctcc gggctccact cgtgtggcag caagactgct 60
tcgttccagc gtttagaaac acacctgtat ttgattctca gccagggggag cactcgctgc 120
actggtggga ggcggttggg aaagttgcag gaaaacctta gtcttccatc cttctgaccc 180
atggtggaaa ttcacaccat ggatttttaa tggatctttg ttctaggcag        230


<210> 694
<211> 566
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 394, 499, 532
<223> n = A,T,C or G


<400> 694
ctggtaccaa aacagagata tagaccaatg gaacagaaca gagccctcag aaataatgcc 60
gcatatctac aactatccaa tctttgacaa acctgagtaa aacaagcaat ggggaaagga 120
ttccctattt aataaatggt gctgggaaaa ctggctagcc atatggagaa agctgaaact 180
ggatcccttc cttacacctt atacaaaaat taattcaaat ggattaaaga cttacatgtt 240
agacctaaaa ccataaaaac ctagaagaaa acctaggcaa taccattcag gacataggca 300
tgggcaagga cttcatgtct aaaacaccaa aagcaatggc aacaaaagct aaaattgaca 360
agtgggatct aattaaacta aagagcttct tgcncagcaa aagaaaccac catcagagaa 420
caggcaaccc tacagaaagg ggagaaaaat ttttgcaacc tacctcatct tgacaaaagg 480
ggttaatttc cgaaaaatnt accattggaa acttcaaacc aaaattttta anaaaaaaaa 540
aaaaaaaaaa accccctta aaaaaa        566


<210> 695
<211> 169
<212> DNA
<213> Homo sapiens


<400> 695
atttgacaaa gaaaaatgat acttctcttt ttttgctgtt ccaccaaata caattcaaat 60
gctttctgtt ttattttttt accaattcca atttcaaaat gtctcaatgg tgctataata 120
aataaacttc aacactcttt atgataaaaa aaaaaaaaa aaaaagttt        169


<210> 696
<211> 239
<212> DNA
<213> Homo sapiens


<400> 696
aaacactgac atcctgtgaa gatgccagtc tttacaggcg tttgtaaaag tagactgtgg 60
ggagtatgtt acactaatac aaagttttac aaatgaatac aagtgaaata tataaattac 120
aatgaaatag aggaagattg tggctctgtc ctgggttggt tcttttagca gtcatattgc 180
```

tgttggtgag agcagcaaaa gccacatatg cctccaagca ctccatttat tacttgaat  239

<210> 697
<211> 205
<212> DNA
<213> Homo sapiens

<400> 697
acctgctcca gcatcactat cctgagccct aaagagtgtg aggtcttcta ccctggcgtg 60
gtcaccaaca acatgatatg tgctggactg gaccggggcc aggacccttg ccagagtgac 120
tctggaggcc ccctggcctg tgacgagacc ctccaaggca tcctctcgtg gggtgtttac 180
ccctgtggct ctgcccagca tccag 205

<210> 698
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 384, 475, 477, 483, 507, 518, 551, 556, 582, 587, 588
<223> n = A,T,C or G

<400> 698
ggcaggtgaa gctgatgggg tcaaatgaag gtgaattcaa ggctgaagga aatagcaaat 60
tcacctacac agttctggag gatggttgca cgaaacacac tggggaatgg agcaaaacag 120
tctttgaata tcgaacacgc aaggctgtga gactacctat tgtagatatt gcaccctatg 180
acattggtgg tcctgatcaa gaatttggtg tggacgttgg ccctgtttgc tttttataaa 240
ccaaactcta tctgaaatcc caacaaaaaa aatttaactc catatgtgtt cctcttgttc 300
taatcttgtc aaccagtgca agtgaccgac aaaattccag ttatttattt ccaaaatgtt 360
tggaaacagt ataatttgac aaanaaaaat gatacttctc ttttttttgc tgttccaccc 420
aatacaattc aaatgctttt tggtttattt tttaccaatt tcaatttcaa aagtntnaat 480
ggnggtttaa taaataactt cacactnttt ttgatacnaa aaaaaaaaaa aaaaaaaaat 540
ttttaaaact ncgccncccc ctgggggaat cccccggg gngttanngg gacca 595

<210> 699
<211> 275
<212> DNA
<213> Homo sapiens

<400> 699
ctgacccca ggataagcac tggctggctg agcagcatca catgcgggca acaggggca 60
agatggccta cctcctcatc gaggaggaca tccgggacct tgcggccagt gatgattaca 120
gaggatgcct ggatctgaag ctagaggaat tgaaatcctt tgtcctaccc tcctggatgg 180
tggagaagat gagaaagtat atggagacac tacggacaga gaatgagcat cgtgctgttg 240
aagcacctcc acagacctga ggccgggtcc cctgg 275

<210> 700
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> 66, 201, 213, 225, 251, 255, 261, 262, 265, 280, 290, 303,
313, 322, 339, 373
<223> n = A,T,C or G

<400> 700
cagatgccga ggtggatggt gtggatgaag aggaggagga cgaagaagga gaagatgagg 60
aagacnagga cgatgaggat ggtgaagaag aggagtttga tgaagaagat gatgaagatg 120
aagatgtaga aggggatgag gacgacgatg aagtcagtga ggaggaagaa gaatttggac 180
ttgatgaaga agatgaagat naggatgagg atnaagaaga ggaanaaggt gggaaaggtg 240
aaaagaggaa naaanaaacc nnatnattga agggagaaan atgatttaan aacccccaga 300
ttnacccttg canaaaacca anaaacttgt ttcaaattnt tttgggtttg ggaccttgcc 360
ttcaattggg gantttttg g 381

<210> 701
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 54, 79, 91, 117, 125, 138, 164, 174, 187, 194
<223> n = A,T,C or G

<400> 701
gtgctatgta tggtgtgtgt gttgtgtatg tggtgtgtgg tgtgtgtggt gcangggca 60
tgtgtgtggt gtatgctcnt gtgtgtgctg ngctcgtgtg tgtgctgtgt tcatgcntgt 120
gctgngtgtt gtgtgtgngt actgcgggga tcataaaata tgantgcttt ttangatggg 180
aattganatg taanatttgg gggt 204

<210> 702
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 259, 264, 289, 336, 350, 359, 367, 375, 383, 388, 389, 397,
402, 417
<223> n = A,T,C or G

<400> 702
aaattaaaga tgtctagttg cttttttataa gaccaagaag gagaaaatcc gacaacctgg 60
aaagattttt gttttcactg cttgtatgat gtttcccatt catacaccta taaatctcta 120
acaagaggcc ctttgaactg ccttgtgttc tgtgagaaac aaatatttac ttagaagtgg 180
aaagggactg attgagaatg ttccattcca atgaaatgca ttacaactta caatgctgct 240
tattggtggg agtactatna agantcaaat ttttctaaca tatggaaang cctttttgtct 300
tccaaaaata atacctaggg ataatgggtt aacttnggcc ggaacacccn ttaagggcna 360
attccanacc cttgncggcc gtncttanng gatcccnact tnggaccaac tttgggngaa 420
at 422

<210> 703
<211> 257
<212> DNA
<213> Homo sapiens

<400> 703
ccatccttca gaagatcgac ttccgctatt ggggagagtc tgaggagtcc gttctcccac 60
ggggcctcgt cactctttgc gaagggcgcc tggcaggtca aatgacctcc atttccacct 120
cgccttccac cttcttcttt tgcttctcca tcactgcctc cagctctgac actttctctt 180
tgtcctccag cagcgagcgc tgcacggtga cctggctgta cacacgtgcc ccctcctcgg 240
ggctcaccgc ccgcagc 257


<210> 704
<211> 226
<212> DNA
<213> Homo sapiens

<400> 704
aaaatatgtt tattttgtat gttttacaat gaatacttca gcaaagaaaa taattataat 60
ttcaaaatgc aatccctgga tttgataaat atcctttata atcgattaca ctaatcaata 120
tctagaaata tacatagaca aagttagcta atgaataaaa taagtaaaat gactacataa 180
actcaatttc agggatgagg gatcatgcat gatcagttaa gtcact 226


<210> 705
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 336, 396, 406, 422, 435, 459
<223> n = A,T,C or G

<400> 705
aaatcaagca catccttgct aatttcaaaa actaccagtt ctttattggt gaaaacatga 60
atccagatgg catggttgct ctattggact accgtgagga tggtgtgacc ccatatatga 120
ttttctttaa ggatggttta gaaatggaaa aatgttaaca aatgtggcaa ttattttgga 180
tctatcacct gtcatcataa ctggcttctg cttgtcatcc acacaacacc aggacttaag 240
acaaatggga ctgatgtcat cttgagctct tcatttattt tgactgtgat ttatttggag 300
tggaggcatt gttttttaaga aaaacatgtc atgtanggtt gctaaaaata aaatgcattt 360
accttgcccg gcggccgctc gaagggcgaa ttccancaca ctggcnggcg gtctagtgga 420
tnccaactcg gaccnaactt ggcgtaatat tggcataant tttcc 465


<210> 706
<211> 221
<212> DNA
<213> Homo sapiens

<400> 706
ggcaggtcgc gcggccgtgg aaggtcagcg ccgtaatggc gttcttggcg tcgggaccct 60
acctgaccca tcagcaaaag gtgttgcggc tttataagcg ggcgctacgc cacctcgagt 120
cgtggtgcgt ccagagagac aaataccgat actttgcttg tttgatgaga gcccggtttg 180
aagaacataa gaatgaaaag gatatggcga aggccaccca g 221


<210> 707
<211> 144
<212> DNA
<213> Homo sapiens

<400> 707
caacattctt caagtatctg aaatactatt aattagcacc tttgtattat gaacaaaaca 60
aaacaaggac ctcagttcat ctctgtctag gtcagcacct aacaatgtgg atcacactca 120
tgggaaagtg ttttgaggta gttt 144

<210> 708
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424, 505, 526, 527, 534, 551, 567, 606, 607
<223> n = A,T,C or G

<400> 708
ctgtctgaac gtgcatgcca tgcacgcctg tgcatttctt cccacgccag aaacaccaac 60
gttagcagtg agaaacagcc tcttgtagag gaatcgtcgt tttgttatag atgttatagc 120
cacgtgtatt ctctctgatg gacagctata gcagatcagc ttatacttgt cctataattc 180
attatatatc aaatggtgag caaatcacta gacagaacat tccctgaaat agatttagt 240
acagaggcct gaattcatgt ccacaatgac ctgtgcttaa ctattccaaa ggtcgctaaa 300
gatactgtta ctactattga gatattattg ggctacttca cgtttacata gtaaatgttt 360
gcagcatata acattacaga ctcataaacc cataattaac ttataagtgt taatggacaa 420
ctgngctttg atttttgcct ttagtgataa aaaacaaagt aatgaaatgg gtactcctca 480
aagcatggac aatttacttt gctantaggg aaaacaaaac aaaatnncaa ttcntgtgga 540
accgaacctc naaatacaca aaattgntta aaggccaaag gtgaccggac taacacatga 600
accttnnt 608

<210> 709
<211> 378
<212> DNA
<213> Homo sapiens

<400> 709
cggcgccgcg cccatagccg gacggggatc tgagctggca ggatgaatgt gggggtggca 60
cacagcgaag taaaccccaa cacccgagtg atgaatagcc gaggcatctg gctggcctac 120
atcatcttgg taggattgct gcatatggtt ctactcagca tcccccttctt cagcattcct 180
gttgtctgga ccctgaccaa cgtcatccat aacctggcta cgtatgtctt ccttcatacg 240
gtgaaaggga cacccttga gactcctgac caaggaaagg ctcggctact gacacactgg 300
gagcaaatgg actatgggct ccagtttacc tcttcccgca agttcctcag catctctcct 360
attgtgctct atctcctg 378

<210> 710
<211> 275
<212> DNA
<213> Homo sapiens

<400> 710
cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga 60
ccccaaccaa ggctgcaacc tggatgccat caaagtcttc tgcaacatgg agactggtga 120
gacctgcgtg tacccccactc agcccagtgt ggcccagaag aactggtaca tcagcaagaa 180
ccccaaggac aagaggcatg tctggttcgg cgagagcatg accgatggat tccagttcga 240
gtatggcggc cagggctccg accctgccga tgtgg 275

<210> 711
<211> 173
<212> DNA
<213> Homo sapiens

<400> 711
tgaaatcatt gatgaccaca gagctgggaa aattgttgtg aacctcacag gcaggctaaa 60
caagtgtggg gtgatcagcc ccagatttga cgtgcaactc aaagacctgg aaaaatggca 120
gaataatctg cttccatccc gccagtttgg tttcattgta ctgacaacct cag 173

<210> 712
<211> 195
<212> DNA
<213> Homo sapiens

<400> 712
caggtaaaat atcacagtaa caagatcatg cttgttccta cagtattgcg ggccagacac 60
ttaagtgaaa gcagaagtgt ttgggtgact ttcctactta aaattttggt catatcattt 120
caaaacattt gcatcttggt tggctgcata tgctttccta ttgatcccaa accaaatctt 180
agaatcactt cattt 195

<210> 713
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 345, 427, 436, 467, 486, 489, 494
<223> n = A,T,C or G

<400> 713
ctgctgaaac ttgggcctct cctctggatc taaggcccag caacaggcca tcacagcaaa 60
taattcatca ggacagttga ttggctgggc tattcggtaa ccatctttca ggtatgcggc 120
catctcgaag gggtcaatgt ccacgtaggg agtctggccc agagtcatga gttcccacag 180
cgtcactcca aaggcccaca catcactagc gctagagaac tcgttattaa ccagactttc 240
aagagccatc caacgaactg gcctgttttc attgtccccc agacagtgat agtccatggg 300
gaacaagtct ctggagaggg cattgtctgt gatcttaact tgaantgtgt catcaatgac 360
acagttcctg gcaaccaggt ctttgtggat gacttccctt ctggacctcg gccgcgacca 420
cccttanggc gaattncaca cactggcggc cgtactaatg gatccanctc ggacccaact 480
tggcgnaana tggnataa 498

<210> 714
<211> 248
<212> DNA
<213> Homo sapiens

<400> 714
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt acttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgac tgtgttgttc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg tgaacacctt 240
caatttta 248

<210> 715
<211> 128
<212> DNA
<213> Homo sapiens

<400> 715
gtacaaacga gtcctggcct tgtctgtgga gacggattac accttcccac ttgctgaaaa 60
ggtcaaggcc ttcttggctg atccatctgc ctttgtggct gctgcccctg tggctgctgc 120
caccacag                                                         128

<210> 716
<211> 160
<212> DNA
<213> Homo sapiens

<400> 716
ctgggccagg gatctctgaa tcctgggaaa cttggaactc tggaactcag cttgatcaaa 60
gagaaggttc tttagctctc aggtggaagc aggtagactc cattttctga gagagtagtg 120
tcttcttccc agaagctgga gaggtgagat tggatctgct                      160

<210> 717
<211> 115
<212> DNA
<213> Homo sapiens

<400> 717
ctggtttaga aaagtttagt atgtgacgat aaactagaaa ttacctttat attctagtat 60
tttcagcact ccataaattc tattacctaa atattgccac actattttgt gattt       115

<210> 718
<211> 302
<212> DNA
<213> Homo sapiens

<400> 718
ggacgtacgg tcctgctagt agaggaatat gtcgagtttc tctagggcgc cccagcaatg 60
ggccactttt gctagaatat ggtatctctt agatgggaaa atgcagccac ctggcaaact 120
tgctgctatg gcatctataa gacttcaggg attacataaa cctgtgtacc atgcactgag 180
tgactgtggg gatcatgttg ttataatgaa cacaagacac attgcatttt ctggaaacaa 240
atgggaacaa aaagtatact cttcgcatac tggctaccca ggtggattta gacaagtaac 300
ag                                                               302

<210> 719
<211> 139
<212> DNA
<213> Homo sapiens

<400> 719
ttttctttat aattcacaca tatatgcaga gaagatatgt tcttgttaac attgtataca 60
acatagcccc aaatatagta agatctatac tagataatcc tagatgaaat gttagagatg 120
ctatatgata caactgtgg                                             139

<210> 720

```
<211> 328
<212> DNA
<213> Homo sapiens

<400> 720
ccagacctga ggcccacaga cctggtcccc acaaccagga ttcctacaat gtacacattc 60
ctaatccagg ctcaactctc ctttacccaa aagtaaatgc ctcaggactc aatctgaatc 120
actgtctgtc tcagcttctt tcacatccac gctgaatttg tactcctggt cacatcccat 180
gtaagcgtca ctcatgaagt acagagtgta gttgtgggca ccagtggctg gggccacaaa 240
gtccaacttc accttggcct tctgctgcaa ggtcagcctc ttgatggaga tgaggctatt 300
ggacttggca tctccaatca ccacccac                                    328

<210> 721
<211> 201
<212> DNA
<213> Homo sapiens

<400> 721
aaaatcacaa cagttagcaa gctgactttt gtaatgtgct caatacaaat acttgtgaac 60
ttttaatatg ttgagtgctt tcattttgat aactggatct ccatttgata ttttcatttg 120
tataactcat ttgcagtctg aaaatttttt ttagtgccag tccctgaaca tatcattgaa 180
agttaatttt ctttgcattt t                                           201

<210> 722
<211> 277
<212> DNA
<213> Homo sapiens

<400> 722
cacaagcctc ttctgaagat ggaaggcctt ttgcccgttg aggtagaggg gaaggaaatc 60
tcctcttttg tacccaatac ttatgttgta ttgttggtgc gaaagtaaaa acactacctc 120
ttttgagact ttgcccaggg tcctgtgcct ggatgggggt gcaggcagcc ttgaccacgg 180
ctgttcccct cacccaaaag aattatcatc ccaacagcca agacccaaca ggtgctgaac 240
tgtgcatcaa ccaggaagag ttctatcccc aagctgg                          277

<210> 723
<211> 343
<212> DNA
<213> Homo sapiens

<400> 723
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccct tttttcaatt ttt                   343

<210> 724
<211> 186
<212> DNA
<213> Homo sapiens

<400> 724
```

```
aagagatctg aaaccagcca tagtgaaagt ctatgattac tacgagacgg atgagtttgc  60
aattgctgag tacaatgctc cttgcagcaa agatcttgga aatgcttgaa gaccacaagg 120
ctgaaaagtg ctttgctgga gtcctgttct cagagctcca cagaagacac gtgttttttgt 180
atcttt                                                          186
```

<210> 725
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 323
<223> n = A,T,C or G

<400> 725
```
aaataaatac ttagaacacg acttggctcc tacaagcatc tggactctag gtctcagtac  60
tggagtgtct cacccatggg ccccacgcag ggacgccacg gttccctccc accccgtgat 120
caagacacgg aatcggctgc cgatggttgg atcgcaatgc ccccttttc tagagccttc 180
cccggccatc tacaggcagg atgcggctgg gaaaaagaca actggaattt ctcgaaggtt 240
gatggtccgc acggttgagg attctacgtg gttctcttgg ttcccctggt gtgtgtgtgt 300
gtggaggagg ccgcggccct tanatcacct tcttgagctc gtc                 343
```

<210> 726
<211> 365
<212> DNA
<213> Homo sapiens

<400> 726
```
ccagggactc cagaatgatg ccccatggcc cctcggcgtc acagagaaga aaatagtctc  60
cagtggactc gatgcagtcc ttgtacatgg tgacttatgg gtgtggacct caccagaatg 120
gttttctgat gccctgcaga aaaaggatga gacaaattga caactctgca tctcttaggt 180
tggtgcaaaa gtaattgtgc ttttttgctat taaaagtaat ggcaagaagg ctgggtgcgg 240
tggctcactc ctgttatccc agcactttgg aaggctgagg cgggccgatc acttgaggtc 300
agcagttcaa gaccagcttg gacctgcccg ggcggccgct cgagccctat agtgagtcgt 360
attag                                                           365
```

<210> 727
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 33, 39, 70, 73, 91, 97
<223> n = A,T,C or G

<400> 727
```
ctgagctcca cacagccaca tgaggatggg gancagccnt tccttgggtt ttgaaataac  60
gaataaagtn gancagtgaa tttcaatcaa nctggtncat caggaccgtc ttgccaaaac 120
accagttggc ttttggttgc tggaagctgt agcttttcaa aacgttcaca catttcaatg 180
tatcgtcaat gtttttacct cggccggacc acgc                           214
```

<210> 728

```
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 126, 136, 140, 146, 149, 160
<223> n = A,T,C or G

<400> 728
gaagtggggt ggaagaagtg gggtgggacg acagtgaaat ctagagtaaa accaagctgg 60
cccaaggtgt cctgcaggct gtaatgcagt ttaatcagag tgccatttttt ttttttttgtt 120
caaatnattt taattnttgn aatgcncant tttttttaatn tgcaaataaa aagtttacct 180
cggccgcaac c                                                     191


<210> 729
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 412, 460, 497, 513, 516, 519, 524, 546, 556, 564
<223> n = A,T,C or G

<400> 729
nttagaaaat aaaactttta atacttaaga gataacatga tgcaaacgtt gcttgttggc 60
ctgactttcc aggactaaga ccctctggga atcaatgggg ctcggtgaca tggcgtaacc 120
tgctactggg gtgtggtctc agacacaaaa tcacactgga tgttggtcta caaaggcagg 180
attctctcat tgctggataa ctcttgaaat gaagcctttg cctttgttac acatttggct 240
ttacaatctt cattgacaaa tagttcggca aagagtagag gagcacggcc acgaagagca 300
gcaggataag caggaacagc aagccgatga tgacccactt aaagcggcgc cacacgatga 360
acttcatggt cttgcatggg ttggtgaacc agaagaagga ggtttctggt cnatttggta 420
aagtccactt ggggttatgt tgggtcgtcc gcccttccgn tggcttcgtc ggctctttcg 480
tgaggattcc atgtatntcc tttccacatt ccngcnctnt tttnctacat gacttgccac 540
cctagnaatc acctgngcgt ctangtcact gacat                          575


<210> 730
<211> 144
<212> DNA
<213> Homo sapiens

<400> 730
ggatttttaat atgatatttt attatgggtg tctgtaagga aaaaaaagat caacaaccac 60
atacaagctt acaaagttaa atttcaacac attctctatg ctagtgtgac aaaagcagcc 120
ccataatttg gtttttattg ttga                                      144


<210> 731
<211> 390
<212> DNA
<213> Homo sapiens

<400> 731
aaaatactga acaaaaagac taaaaagggc caaccaaact tgaatgtaca aatggagtac 60
```

```
cttcttcaaa aaatacaaga aaaatgttaa acattttgtt cctacaggtt aaaatatctg 120
ctgcctatta ggttcttctg tgacatgtgc ctcccagcag tgaactaaat ttgtcgacat 180
aaactggatt gctaaactat gctaaatata agatgttcac atattttat tatggtaaaa 240
aattttctaa atatgttcta catgtttctt atttatttgc ctctgaagga aggttggcct 300
gaagaactga aagaacctct tattttgcaa gacaggccca agcatgtaat acttttgtac 360
catatgagat ttatatgaaa taaatttttt 390
```

```
<210> 732
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43, 272, 315, 321, 323, 431, 436, 453, 463, 473, 485, 509,
532, 542, 564, 580, 585, 598, 602, 637, 639, 649, 654, 661,
666, 673, 674, 689, 693
<223> n = A,T,C or G
```

```
<400> 732
cggccgaggt aaaacaattt acctcagaat tccaagttga agntcccaaa gtatattaaa 60
aacttctcaa atcattaatt tgaatcagat gttccaaatc aaagggaatt aaatactctt 120
ttttcttggg ccaattggat aaatcttgaa acctattttg aaatagtatt aaagtgacaa 180
gaaaaagcca aaaatatatc ttttgccttg gcctttggat attttttaacc atggtaccat 240
tttttggccc aaggcttggg aaatattcca anttaggaaa ataaaaagcc cttctttcat 300
cattaaaagc tttanggata ntnaaattat ttcttggaag ggaaatggaa atttcccctt 360
aaattacctt ttttaagttt aaatttcccc ggtggaaaaa taaagccaaa aacaggcccc 420
tttgggaata nttggnaaaa acctggtttc ttnaaaggta atngggaaa atnaattctt 480
tcttnaagaa atttgcccaa acccttтанc ccgaaggttt aacctggagt tnttttgaag 540
gncctgaagt attttttgctt gggncctggc caatcatttn tttanccgtg ccccgggngg 600
gncgctttga aaagggggga aatttccaca cccccttngng ggccggttnc ttangggat 660
nccaanctcg ggnnccaaac tttgggggna aanat 695
```

```
<210> 733
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 213, 347
<223> n = A,T,C or G
```

```
<400> 733
ttttttttgc ttttatggtt tttattttttc aatttttatt ttggttttct tacaaaggtt 60
gacattttcc ataacaggtg taagagtgtt gaaaaaaaat tcaaattttt gggggagcgg 120
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 180
tgcccacaat ttaagcaagt agatgtgcag aanaaatgga aggattcagc tttcagttaa 240
aaaagaagaa gaagaaatgg caaagagaaa gtttttttcaa atttctttct tttttaattt 300
aaattgagtt catttatttg aaacagactg ggccaatgtc cacaaanaat tcctggtcaa 360
caccaccgat cctgccccgg cggg 384
```

```
<210> 734
<211> 458
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 364, 384, 405, 407
<223> n = A,T,C or G

<400> 734
ctgagcctga gtgcgaagac ggagagaagg ccgaccacag tcatgacatc aaccccata  60
acctggggac aactcaagaa aaccacacag gaggctgaga aactactgga gcaccaggga 120
cagtctgtaa agttggatgg accaccaatg ggaaaatgag agctgcccac cctggcctta 180
cactccttca attaatacat aaacagaaag gaggatatac agagagccaa aggcccatgg 240
gacgtgacca acattccact gagtctatac natcaaacag caaactgttt atcatgaata 300
cagaatgtgg gcaaactcat gacttgtgcc tgccccaaaa ggtttgctga agggcaattg 360
cttnctgacg cccagctcct tganggtatc tattgggaca tccananaat gcagtcttgc 420
aagcctactc tggaccgaac aaaactcggc cgcgaaca                         458


<210> 735
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 224, 296, 325, 394, 403, 443
<223> n = A,T,C or G

<400> 735
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt  60
gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aaggggtgg  120
gtttgaaggc cagggccaag gggtcctcag gtccgcttct gggaagggac agccttgagg 180
aaggagtcat ggcaagccat agctaggcca ccaatcagat taanaaattc tgagaaatct 240
agctgaccat cactgttggt gtccagtttc ttcatcatgc cggtcaagga caccangggt 300
ccttcttggt tctttgtgaa ggcancttag ttcttgtatt catgaaactt aaggaactct 360
ttctttggaa aagaagtgta agttataacc catncttttc canccatacc tttttggaaa 420
aacaacaaat caaggggact tcnaatgcac ccg                             453


<210> 736
<211> 317
<212> DNA
<213> Homo sapiens

<400> 736
ccagagcgag tctaccctgg taatctccac cttagacaaa taattataat ctagcattgc  60
aaaaaagaaa taacacatat ctaccagaga tatacacaac aatttcatac cagcattgtt 120
agtaattaga agaattataa gcaatctatg ttgcaacagt aggaaaatgg ataaatgagc 180
tgtagtacat gtataaaaga gtcaaaacag agaaaatgaa tgaactagaa ctacatcttt 240
aacatatatg aatacttttc aaaagaaaac aatctgcttg agattatata caatattttc 300
ctatttatac aaggttt                                                317


<210> 737
<211> 220
<212> DNA
```

<213> Homo sapiens

<400> 737
ccagggcccc cctgctccag gctgggcgtc agaaaccctt ccccagcccc tcggacttcc 60
ccagggtgga ggtcccctca aacacagccc ctcagcttct aggctgcttt ggaggccaga 120
caggaagagt tccattcatt caccctgatc ccagcagtag tagcgggatg agaaactcac 180
ccccaggccg ggggtgcttg gagagcgctt gagaggattt 220

<210> 738
<211> 262
<212> DNA
<213> Homo sapiens

<400> 738
aaaaacagac tgtaacttga tcttctgaaa tccttctcga accacaactc gttctgttaa 60
agaaatccta ggaaagaagt cctactgata ttgtcgatag tctccaaaag gtgaggaagg 120
taactgagtt gaaggcaact gggaggggtc ttctgcaaac tgaggaccat tgggaaactg 180
tgcagaggca aatcttgtca acaagatacc agctccttca attaaagcta ggagaatgcc 240
acccattgcg gctgacccaa cc 262

<210> 739
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 536, 537, 540, 564
<223> n = A,T,C or G

<400> 739
agaaggccct gaagctgatg gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca 60
aattcaccta cacagttctg gaggatggtt gcacgaaaca cactggggaa tggagcaaaa 120
cagtctttga atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcaccct 180
atgacattgg tggtcctgat caagaatttg gtgtggacgt tggccctgtt tgctttttat 240
aaaccaaact ctatctgaaa tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg 300
ttctaatctt gtcaaccagt gcaagtgacc gacaaaattc agttatttat ttcaaaatgt 360
ttggaaacag tataatttga caaagaaaaa tgatcttctc tttttttgct ggtcccccaa 420
atacaattca aatgcttttt gtttattttt taccaatttc aattcaaaat gtctcaatgg 480
ggctttaata aataacttca acctctttat gacaaaaaaa aaaaaaaaaa aaattnnctn 540
ccggggggcct tagggggaaaa tccncac 567

<210> 740
<211> 357
<212> DNA
<213> Homo sapiens

<400> 740
aaataattat ctatgtgcct gtatttccct tttgagtgct gcacaacatg ttaacatatt 60
agtgtaaaag cagatgaagc aaccacgtgt tctaaagtct agggattgtg ctataatccc 120
tatttagttc aaaattaacc agaattcttc catgtgaaat ggaccaaact catattattg 180
ttatgtaaat acagagtttt aatgcagtat gacatcccac aggggaaaag aatgtctgtg 240
gtgggtgact gttatcaaat attttataga atacaatgaa cggtgaacag actggtaact 300
tgtttgagtt cccatgacag atttgagact tgtcaatagc aaatcatttt tgtattt 357

<210> 741
<211> 206
<212> DNA
<213> Homo sapiens

<400> 741
ccacccttttc agactccttt ctgaatgctt gtggcatctg ccccatgatt aggaatggac 60
accctgacca cgtcatagat gcccatttca cactggcatg tggatagtga ctataaaacg 120
tcccttcaga acaaaccaag acctgaaggg gaagcaggaa gggacacccca cacactgagt 180
ctctgctctc atcctagctt atctgg 206

<210> 742
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 254, 392
<223> n = A,T,C or G

<400> 742
aaatagccta aatgatggtg cttggtgagt cttggttcta aaggtaccaa acaaggaagc 60
caaagttttc aaactgctgc atactttgac aaggaaaatc tatatttgtc ttccgatcaa 120
catttatgac ctaagtcagg taatatacct ggtttacttc tttagcattt ttatgcagac 180
agtctgttat gcactgtggt ttcagatgtg caataatttg tacaatggtt tattcccaag 240
tatgccttaa gcanaacaaa tgtgttttttc tatatagttc cttgccttaa taaatatgta 300
atataaattt aagcaaacgt ctattttgta tatttgtaaa ctacaaagta aaatgaacat 360
tttgtggagt ttgtatttttg catactcaag gngagaatta aagtttt 407

<210> 743
<211> 62
<212> DNA
<213> Homo sapiens

<400> 743
aaaaatgtct aaatttgctt ttgccatggc gctaatgcta atggtaaatt attgattgcg 60
tg 62

<210> 744
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 477, 480, 484, 510, 521, 525, 530, 541, 550
<223> n = A,T,C or G

<400> 744
cctacagact tatttcttct tggacacacc cacggtgcgg ccacggcggc cagtggtctt 60
ggtgtgctgg cctcggacac gaaggcccca gaagtgacgc agccctctat gggcccgaat 120
cttcttcagt cgctccaggt cttcacggag cttgttgtcc agaccattgg ctaggacctg 180

```
gctgtatttt ccatccttta catccttctg tctgttcaag aaccagtctg ggatcttgta 240
ctggcgtgga ttctgcataa tggtgatcac acgttccacc tcatcctcag tgagttctcc 300
cgccctcttg gtgaggtcaa tgtctgcttt ctcaacacca catgagcata tcttcggccc 360
acacccttaa tggcagtgat ggcaaaagct attttccgcc cccatcgatt tggtgttgag 420
tactccaaaa tatgctggaa cttttcagga tactagagaa tggctgcaca caagcgnggn 480
tgangctcac ctcgccggac acctaaggcn aatcacaatg nggcntctan ggaccactcg 540
nccactgggn atatgga                                                 557
```

```
<210> 745
<211> 297
<212> DNA
<213> Homo sapiens
```

```
<400> 745
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgctttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatcaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg     297
```

```
<210> 746
<211> 514
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 360, 417, 438, 446, 470, 472, 501, 504
<223> n = A,T,C or G
```

```
<400> 746
aaagaactct gggctgtact gaatggctgg agacaacact ttatcagttt tgacactgac 60
aggagtggaa cagtagaccc acaagaattg cagaaggccc tgacaacaat gggatttagg 120
ttgagtcccc aggctgtgaa ttcaattgca aaacgataca gcaccaatgg aaagatcacc 180
ttcgacgact acatcgcctg ctgcgtcaaa ctgagggctc ttacagacag cttttcgaaga 240
cgggatactg ctcagcaagg tgttgtgaat ttcccatatg atgatttcat tcaatgtgtc 300
atgagtgttt aaatcaagaa gaagctgcat gaatgtaatc aacattcaac tggagctctn 360
ctttgcttgt cctctttgcc ttcggtaata tgtataaact tacatcacga ctttctntta 420
acagaactcg gccgcgancc ccttanggcg aattcaacac cttgcggccn tntagtggat 480
ccactcggac caacttggcg naanatggga taat                              514
```

```
<210> 747
<211> 249
<212> DNA
<213> Homo sapiens
```

```
<400> 747
atcaatgctt acaattgtga agagcccaca gaaaagttac cttttcccat catcgatgat 60
aggaatcggg agcttgccat cctgttgggc atgctggatc cagcagagaa ggatgaaaag 120
ggcatgcctg tgacagctcg tgtggtgttt gttttttggtc ctgataagaa gctgaagctg 180
tctatcctct acccagctac cactggcagg aactttgatg agattctcag ggtagtcatc 240
tctctccag                                                         249
```

```
<210> 748
```

<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 364
<223> n = A,T,C or G

<400> 748
ctgagaaaca gattaaacat ttagagattg aaaagaatgc tgaaagtagc aaggctagta 60
gcattaccag agagctccag gggagagagc taaagcttac taaccttcag gaaaatttga 120
gtgaagtcag tcaagtgaaa gagactttgg aaaaagaact tcagattttg aaagaaaagt 180
ttgctgaagc ttcagaggag gcagtctctg ttcagagaag tatgcaagaa actgtaaata 240
agttacacca aaaggaggaa cagtttaaca tgctgtcttc tgacttggag aagctgagag 300
aaaacttagc agatatggag gcaaaattta gagagaaaga tgagagagaa gagcagacct 360
cccnggc 367

<210> 749
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 370
<223> n = A,T,C or G

<400> 749
aaatttagta ttacatatga tctggctaag agcaagaggc cttcttatga gtgatctcca 60
tcaccctgta cagtgcctgg cacagaatct agagtttagc caactctcaa caaatgtttt 120
agtgaatgaa tgaatgattg actaaagaaa aacatgagtt acttagtgac caaatctaat 180
actcagtgga atagctgatt ataatcgcta aaatattcat aatagaaata aagagatctg 240
tatgcagtct actccatata gtcaaaagat ctcatggtag cctttttctaa atgaaatttt 300
tcttaagtag tgtaagaata aatttaaact aattataatt atcaagtgac ttcttaggga 360
gatgtttttan gaaaaattat taat 384

<210> 750
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 298, 334, 376, 442, 488
<223> n = A,T,C or G

<400> 750
ctgtaaaaga tcctatgcga aagacactgg ctcttttttt taatccccca aataaatttt 60
gccccctttt aggccatgtt ccattatctc ttaaaattgg aacctaattc gagaggaagt 120
aagaagggtc tgttctgtgg ctgagctagg tgaaccccgg ggtaggggaa agatgttaac 180
acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240
tcaaagctgc cctgcctgtt ttaggaggcg ttccacaaac agattgaggc tctttttanaa 300
ttgaatttac tcttcagtat tttctaatgt tcanctttct aagaagcata tattttttcaa 360

```
agaagtgagg atgcantttc tcacgttgca acctattctg aaatgggtta cctgccccgg 420
cggccctcga aagggcgaat tncacacact ggcggccgta ctaatggatc cactcggacc 480
aacttggnta acatggcata ct                                        502
```

<210> 751
<211> 345
<212> DNA
<213> Homo sapiens

<400> 751
```
taaaaattga aaaaagtgga aaacatcttt gtacatttaa gtctgtatta taataagcaa 60
aaagattgtg tgtatgtatg tttaatataa catgacaggc actaggacgt ctgccttttt 120
aaggcagttc cgttaagggt ttttgttttt aaactttttt ttgccatcca tcctgtgcaa 180
tatgccgtgt agaatatttg tcttaaaatt caaggccaca aaaacaatgt ttgggggaaa 240
aaaaagaaag aatcatgcca gctaatcatg tcaagttcac tgcctgtcag attgttgata 300
tataccttct gtaaataact tttttgaga aggaaataaa atcag                345
```

<210> 752
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 13, 337, 347, 375, 384, 485, 496, 500, 502, 510, 516,
530, 539, 553, 560, 563, 586, 588, 610, 622, 629, 630, 634,
640, 648, 659
<223> n = A,T,C or G

<400> 752
```
ctgtntgtac tanacaaggt taccaagtgc ggaattggtt aatactaaca gagagatttg 60
ctccattctc tttggaataa caggacatgc tgtatagata caggcagtag gtttgttctg 120
tacccatgtg tacagcctac ccatgcaggg actgggattc gaggacttcc aggcgcatag 180
ggtaggacca aatgataggg taggagcatg tgttctttag ggccttgtaa ggctgtttcc 240
ttttgcatct ggaactgact atataattgt cttcaatgaa gactaattca attttgcata 300
tagaggagcc aaagagagat ttcagctctg tatttgnggt atcaggnttg gaaaaaaaaa 360
tctgatactc cattngatta ttgnaaatat ttgatcttga atcacttgac agtgtttgtt 420
tgaattgtgt ttgttttttc ctttgatgga cttaaaagaa attattcaaa gggaaaaaaa 480
acaantatgc cccttntttn anccgaaccn aaccanaaaa agaaaattgn gctttttttnt 540
aatccaaagg gtnttttttgn agnatgcttg acttttccca tttttnanga catctttccg 600
acctttttttn cctaaaacct tntattggnn aaancttaan cttttcanga ttttcccang 660
aattttcct ttttg                                                 675
```

<210> 753
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 382, 399, 402, 405, 413, 430, 433, 441, 442
<223> n = A,T,C or G

<400> 753

```
gaaaattcca tggacacccc ctggaactgc tctgcagttt tactccaacc tacacaatgc 60
tgaaacctct tcttgggtga atttggtatt gtggtgtgtg gtcttggtgc tccaggtcgt 120
gcagtggaag tctgaagcca ccccataccg gcctctggag aggggtgacc ctgagtggag 180
ctctgagaca gatgctctcg ttgggtcacg cctttcccat tcctgaagaa taagcggagt 240
gcttcctgca gccgaagact ccatgcccaa gtgcctgtaa tcccccccct caaggccctg 300
tttatgttgg gagtcttagt tttcctttcg ttgggggggtg ggggggaaac ataatgacag 360
gcccccctcc acctcttcct gnagacctgc ccgggcggnc gntcnaaagg gcnaaattcc 420
acacactggn ggnccgtcta nnggatcc 448
```

<210> 754
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 337, 476, 489, 529, 539, 556, 571, 584, 594
<223> n = A,T,C or G

<400> 754
```
ggcaggtcta aagtgtgagt aggaacattc tcttattatg ggtggaggaa agagagagga 60
gattgagaaa ataagataaa atacattgat gcgcatcatt tttggtgttc gaaaagtagg 120
attgaattag gactaataaa tctagagaat tttacctctt tcaatgccca agccacactt 180
ttctatcact ttgaaaccga aaaagtaaat actttcccaa catttgcttt gctggtagga 240
aatgctttaa taaaaatgca atctctaagt tgccatggca tcattaaaag aaaggatgtc 300
atgcccaggt ccagaacttg aaggtggcag gcaccancaa gcaccatagc tctgaatggg 360
cctgccttac aggtcctcac tccaacactg ctcacttctt ccagcttgaa aatggagaac 420
atgttcacac cctgggttgt aagtaggagg aactctgatc agcaagaagc ttgcanagga 480
caatatgang caatagtatt ttactggacc tcggccgcga acaccttang gcgaaatcna 540
ccccttggcg gccgtntatg gatccactcg nccaacttgc gaanatgggc aaantttttcc 600
ggg 603
```

<210> 755
<211> 254
<212> DNA
<213> Homo sapiens

<400> 755
```
aaaaaactgg tttgtcaaat cacatacatg agcagataca caactaccaa agtggcctgt 60
aatagacacc agtggggcgg tcaccacaca gtacctgaaa aatacagcta aaaaaggagg 120
agtctgttga gtatttaatt tcagatctac ttgactcctt gttgaacggc tttaagttag 180
catatagtga gtgagaggta gagtcccaag tataatagct gatgcctcag ggctccattt 240
acctgcccgg cggc 254
```

<210> 756
<211> 344
<212> DNA
<213> Homo sapiens

<400> 756
```
ctgattctat ttccttctca aaaaaagtta tttacagagg gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc tttttttttcc cccaaacatt 120
gttttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
```

```
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac tttttttcaat tttt             344
```

<210> 757
<211> 191
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

<400> 757
```
gtaanacctc ctgcccttag ctctcttgct caccacccaa gaacctcagg acagaagcga 60
gagcccattg ctcctgctca gctcagcccg gctgcggagg aacccttggc aggcagaacc 120
tggaggtgtc agaggctcaa ctcctccatc taaccagcag gctcccagag tccccggaag 180
agcctgcgca g                                                  191
```

<210> 758
<211> 212
<212> DNA
<213> Homo sapiens

<400> 758
```
ctgcctttcc tgagtaccct ccgacggttg gaagaccagg ccactgcata tgtgtgtgag 60
aatcaagcct gctcagtgcc catcactgat ccctgcgaat tacgaaaact actacatcca 120
tgactgcccc aacccccttg gggtggggca gaaggtgaag catcccaact gactagagac 180
tcaggccctg cagggcccta tagaacctgt gg                           212
```

<210> 759
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16, 35, 47, 51, 89, 92, 102, 125, 156, 159, 163, 189, 202,
203, 224, 239, 242, 245, 321, 359, 361, 377, 410, 429
<223> n = A,T,C or G

<400> 759
```
aaaaaagtga cattgnttta ttactattgg caggnggggc ctgcatnagg nggttagtgt 60
gctcagggga tgggtgggct gtggaaatna tnacaaaaag gntggaagga aaggggtgg 120
gtttnaaggc cagggccaag gggtcctcag gtccgnttnt ggnaagggac agccttgagg 180
aaggagtcnt ggcaagccat anntaggcca ccaatcaaat taanaaattc tgagaaatnt 240
anctnaccat cactgttggt gtccagtttc ttcatcatgc ggcaaggaca ccagggtcct 300
tctggttctt tgtgaaggca nctagttctg tttcatgaac ttaggaactc tgcttggana 360
nagtgtaacc tcggccnacc ccctaaggcg aatccacaca cttgcggccn tctatggatc 420
caactcggnc caacttgcga atatggcata                             450
```

<210> 760
<211> 519
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 246, 290, 322, 341, 409, 414, 416, 419, 427, 429, 451, 472, 484, 492, 495, 497, 507
<223> n = A,T,C or G

<400> 760
```
tttaactcct gaaatcgaac tacgtttaag tttgtatgtt tattacctgt ttgagcactt 60
aggtgcaatt gtgggagcgg ggatgtcaag ttcatttatg tgactctttg gctcaactta 120
cataatcttt gttttgatat cacagttgtc taattatttt actttgtagc ttaaggcagg 180
ctgaattgtt gataaaaatg gaaaaaagta gtatattgtt atataagctt ctgaggtgtg 240
ttttgntgta taacctggag gttaaaaagc atcccttatg tatagtagtn aaggcataaa 300
ctgtgacttt aaatattcac anaaccagac ttatttgatg ngataatacc atgattagca 360
tttggttgct tttgtttatt tatccggtca ttttctcttc catgtcatna acangnggng 420
gcggtanana taaacctgcc ggcggccctc naaaggcgaa ttccacacac tnggggcgta 480
ctanggatcc anctngncca acttggngaa tatggcata 519
```

<210> 761
<211> 270
<212> DNA
<213> Homo sapiens

<400> 761
```
gaggaatgct ggactggagg cccctggagc cagatggcaa gagggtgaca gcttcctttc 60
ctgtgtgtac tctgtccagt tcctttagaa aaaatggatg cccagaggac tcccaaccct 120
ggcttggggt caagaaacag ccagcaagag ttaggggcct tagggcactg ggctgttgtt 180
ccattgaagc cgactctggc cctggccctt acttgcttct ctagctctct aggcctctcc 240
agtttgcacc tgtccccacc ctccactcag 270
```

<210> 762
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537
<223> n = A,T,C or G

<400> 762
```
atgacgggcc cggtgctgaa gggcagggaa caacttgatg gtgctacttt gaactgcttt 60
tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120
gcaaaagggg agctggctac ttctcgctct gcttcatccc actattattt tggcacaaca 180
gggagctgtt gaaggaggat gttcccatct tggtcagtcc tatgcggata gagatgtctg 240
gaagccagaa ccatgccaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300
aatatgtgac gatcaagaat tagactgccc caacccagaa attccatttg gaaaatgttg 360
tgcagtttgc ccacagcctt caactgcttc tactcgccct tctaatggtc aaaggacctc 420
gangccccaa ngggaaaatc caggnccttc tggtattcct ggganaaaag ggggaccctg 480
gtatttccag gacaancang ggnccctgg gttttnctgg gcccctggn aatttgngaa 540
taatgccta ctgggccctc aaaactattt ttcccca 577
```

<210> 763

```
<211> 261
<212> DNA
<213> Homo sapiens

<400> 763
ctggagatgg tggtgaacgg tctgtttgca tttcttggaa gaagatcttt tattctgctg 60
ctcaacccag gtctctgcct tccttagaga ctgaggccca tccttcagtt tccctgattc 120
tggagaatgg cccgcagcct cccactcagg gcttggctgt gctcctctag tccatcccag 180
ggctggaagg gacatccctg gcggtacacg aaggtgtccc agcagtgctt aaattcactg 240
tatgtcatta ttgaaatttt g                                          261


<210> 764
<211> 257
<212> DNA
<213> Homo sapiens

<400> 764
aaaaacaaaa tcacttaaag gacccttga ctgatgcctc tcagtttata tttttatgtg 60
actttatatt tcttttgata cacttgacat tttaggaaat tttgatgtga tttatcaaaa 120
cctttacttg atggttagag ttcctgcatt tatgaaatca aatctgtaat aacagaaatc 180
ctggaatact cttaatatat acttctattt tgtgtttgtt actgtgatta atatttgcag 240
ttgtatattt tacattt                                               257


<210> 765
<211> 109
<212> DNA
<213> Homo sapiens

<400> 765
ccagtgctgc cagccgacct ttctgtggtg atggaaatct ttttctgtgc tgtccaatac 60
agcagccacc gaccactttt gcttattgag cacctcaata tagaggtgg              109


<210> 766
<211> 155
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5
<223> n = A,T,C or G

<400> 766
tgcanattat ttgcccaaag ttgtcctctt cttcagattc agcatttgtt ctttgccagt 60
ctcattttca tcttcttcca tggttccaca gaagctttgt ttcttgggca agcagaaaaa 120
ttaaattgta cctattttgt atatgtgaga tgttt                           155


<210> 767
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> 9, 10, 34, 44, 51, 208, 212, 214, 231, 244, 267, 269, 278,
282, 291, 303, 304, 309, 316, 319, 321, 332, 333
<223> n = A,T,C or G

<400> 767
aaaaacatnn actatacatt gaaatgtgtg aacnttttga aaanctacag nttccagcag 60
ccaaaagcaa ctggtgtttt ggcaagacgg tcctgatgta caagcttgat tgaaattcac 120
tgctcacttg atacgttatt cagaaaccca aggaatggct gtccacatcc tcatgtggct 180
gtgtggagct cagacctgcc cgggcggncc gntntaaagg gcgaattcca ncacactggc 240
ggcncgatac tagtggatcc aactccncnc caactttncg tncccatgga natatttttt 300
ggnnggaant tttttnccnc nccggggggc cnnttaaaag gggaa 345


<210> 768
<211> 213
<212> DNA
<213> Homo sapiens


<400> 768
aaaacaacta cttaacattt actcatagat aaaaatattt acaattttac accttcagga 60
aggctccaaa atataaacac tgtacctctc cctagagaaa aaaaaattat tcttctcttc 120
aaaaacagga atacattcat tttttctcac tgtgtgaatc aagtaattat acaaataaac 180
atctgaaaca ttttcctttt taatatattt ata 213


<210> 769
<211> 525
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 460, 470, 479, 499, 512, 515, 519
<223> n = A,T,C or G


<400> 769
aaaatgaaaa attggtgcta ctattaaatt gcacagttga atcatttagg cgcctaaatt 60
gattttgcct cccaacacca tttcttttta aataaagcag gatacctcta tatgtcagcc 120
ttgccttgtt cagatgccag gagccggcag acctgtcacc cgcaggtggg gtgagtctcg 180
gagctgccag aggggctcac cgaaatcggg gttccatcac aagctatgtt taaaaagaaa 240
attggtgttt ggcaaacgga acagaacctt tgatgagagc gttcacaggg acactgtctg 300
ggggtgtagt gcaagccccc ggcctcttcc tgggaacctc tgaactcctc cttcctctgg 360
gctctctgta acatttcacc acacgtcagc atctaatccc aagacaaaca ttcccctgct 420
cgaacaaacc tgcccgggcg ggccgctcaa gggcgaattn cacacacttn gcggccgtnc 480
taggggatcc caactcggna ccaagctttg gnggnaaana tgggg 525


<210> 770
<211> 233
<212> DNA
<213> Homo sapiens


<400> 770
aaaaatttac ttattacttg ttcttagcaa attaagacaa ttacaataaa acatcagcta 60
actgggttct tgtgagaaaa ctgaggtcag cttggaaagg agttccccga gtggagttcc 120
cagcggcccg cggctgacgg ccagatctgt cctgaggggt cgtgggagcc cagcgcctgc 180
cttgagggaa atgaacactg aaaacaggat ttgggagcag tattggattg aca 233
```

<210> 771
<211> 271
<212> DNA
<213> Homo sapiens

<400> 771
tggcagtgca aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60
tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgcgag 120
ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180
agaagggccg gcggattcgg gaactgactg ctgtagttca gaagaggttt ggctttccag 240
agggcagtgt agctttatgc tgaaaaggtg g 271

<210> 772
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 351, 374, 412, 461, 484, 487, 504, 524, 528
<223> n = A,T,C or G

<400> 772
ccatggaagc ctcagggcac agggcaggct ggtggatgtt ttggtcccaa gcccctttct 60
gatcacaggc aggtcaatta agcctctggg cctggctgtc ctctcctgga cgtggagtgt 120
aagtcccaca ctacacaagg ctgtgcagct tcacagagat agtgcttgtg atgcttatcc 180
ctaacaagag gaccttgaac ttggagaatt ataggaagac taggtctgtg cccttaaatt 240
gatcattctt tccatcctga ctaagcacgg gtgagccagt ttgtgcagag gtctgtgtgt 300
agatgggacc atggaggaaa agagaagctt ccctttgcat ggtctcctta naacccattt 360
tgtaccggac ccanaaggat gtatggaccc aaagcacatc cctcttggaa anggctggcc 420
ccagtcttcc taatgcaacc tgcccggcgg gcgcttcaaa nggcgaattt cacacacttg 480
cggncgntac taatgggatc ccanctcggt accaaacttg gcgnaaanat ggg 533

<210> 773
<211> 341
<212> DNA
<213> Homo sapiens

<400> 773
ttctgaagtt gccatcagtt ttactaatct tctgtgaaat gcatagatat gcgcatgttc 60
aactttttat tgtggtctta taattaaatg taaaattgaa aattcatttg ctgtttcaaa 120
gtgtgatatc tttcacaata gccttttat agtcagtaat tcagaataat caagttcata 180
tggataaatg cattttatt tcctatttct ttagggagtg ctacaaatgt ttgtcactta 240
aatttcaagt ttctgtttta atagttaact gactatagat tgttttctat gccatgtatg 300
tgccacttct gagagtagta aatgactctt tgctacattt t 341

<210> 774
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

```
<222> 151, 167, 168, 171, 178, 185
<223> n = A,T,C or G

<400> 774
aaaaatgttt tgtagggaaa cccttttaatg ctttcatttt tattcaaaat cagtccagct 60
gctagtcagc gggcagcagc tacaatacca agttctggca gttgcagtac tagatattgt 120
gcctgcaagt cataaaaaaa aaaaaaaaaa naaaaaaatt gaaaaanngc ntttcccntt 180
aaaanaaaaa aat                                                    193

<210> 775
<211> 210
<212> DNA
<213> Homo sapiens

<400> 775
ctctagtgct gtgaaaaaaa aatgctgaac attgcatata acttatattg taagaaatac 60
tgtacaatga ctttattgca tctgggtagc tgtaaggcat gaaggatgcc aagaagttta 120
aggaatatgg gagaaatagt gtggaaatta agaagaaact aggtctgata ttcaaatgga 180
caaactgcca gttttgtttc ctttcactgg                                 210

<210> 776
<211> 161
<212> DNA
<213> Homo sapiens

<400> 776
ctgctcctgc tgctgctgca gccccagcta aggttgaagc caaggaagag tcggaggagt 60
cggacgagga tatgggattt ggtctctttg actaatcacc aaaaagcaac caacttagcc 120
agtttttattt gcaaacaag gaaataaagg cttacttctt t                    161

<210> 777
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 376, 414, 432, 435, 445, 447, 451
<223> n = A,T,C or G

<400> 777
tggagtctga agtagctata aagcagctat aaaacagaaa tacatgcata gctgcagaaa 60
ccatgacagg tagaggactt ttctttggt tttgttttgt tttgttttgt tttgttttg 120
gttttacaga gaagagattt ttattacaaa gaaaaaaatt ccagtgaatt gtgcagaaat 180
gctggttttt acaccatcct aaagaaaaac tttacaaggg tgttttggag tagaaaaaag 240
gttataaagt tggaatctta aattgtaaaa ttaaccattg agtgtcaaag ttctaaaagc 300
agaactcatt ttgtgcaatg aacataagga aagactactg tataggtttt ttttttttct 360
cnttttcctc ggccgnaacc accctaaggg cgaattccac acacttggcg cccntactag 420
tggatccaac tnggnccaac ttggngnaat natggcata                       459

<210> 778
<211> 288
<212> DNA
<213> Homo sapiens
```

<400> 778
cagagagcca ttttgtgaat ggattggatt atttaataac attaccttac tgtggaggaa 60
ggattgtaaa aaaaaatgcc tttgagacag tttcttagct ttttaattgt tgtttctttc 120
tagtggtctt tgtaagagtg tagaagcatt ccttctttga taatgttaaa tttgtaagtt 180
tcaggtgaca tgtgaaacct tttttaagat ttttctcaaa gttttgaaaa gctattagcc 240
aggatcatgg tgtaataaaa cataacgttt ttcctttacc tgcccggg 288


<210> 779
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 436, 447, 478, 488, 496
<223> n = A,T,C or G

<400> 779
aaatatctaa aacaatggcc cactgaagaa aggaacaatt aactctttaa ttaattcctt 60
aggataaata cccagaaatt taacagctag ggcagacttc taatacaata ccgaaagtcc 120
ttccaaaaac caagtggttg ccaacttatg tcccttagca ttataacatt cttgagccaa 180
tagtgtaaaa atacgctgac aattttatag gcaaacatta ctcaaggtat cttactttcc 240
acttattact aaagtaatta acccctaaat agatgctcct caacagtggg actacatcct 300
ggtaaaccta tcataagttg aaactatcaa gttgaaatgc atttagtacc ctgataaacc 360
tatcataaag ttgaaaattt gtaaattgaa ccagtgtaaa tcagangcca tcttacacct 420
cggccgcgac cacctnaggg cgaattncag caccttggcg gccgtactag tggatccnac 480
tcgtaccnac ttgggnaatc atggcata 508


<210> 780
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 369, 411, 472, 473, 513, 515, 522, 537, 539, 545, 548, 550,
555, 558, 565
<223> n = A,T,C or G

<400> 780
aaagcactca cataaatcca tttcacccaa aaaggaaaca taaagtgctt ctagcagtac 60
aagcacggtt ggcatggcct ttccaaaggt cttccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gttttattt tctgagccat tagagatttt caaaatcact 180
ttgatttta aaaactcatc aaatgtgaat catggcgggg aagaccactg agctgatttc 240
tgataactaa gttatcactg aacataattt atcatatatg gctactggca tcatgaagac 300
cttgggatag ggaagactct tcatgagaaa tataaacatc acttgtgtag gaatcaccag 360
gtgtcctana gcagtttgac taaagacttc tagtgtttac tcctcccacg nactcaaccc 420
aagaccagag acaatggcaa ctcctgaggt tacacagaac cagtgagtat gnnagctcac 480
ttagccatta atctaaatgt ataactggtg ctntntgctt anctatatct aaggttntnt 540
ctgtnttntn aactncgngc gcagnatcc 569


<210> 781
<211> 391

<212> DNA
<213> Homo sapiens

<400> 781
gggctgaaga aatcactatt gtgtatatac tcaagtcttt ttatttttcc tcttttcata 60
aatgctcttg gacattattg ggcttgcaga gttcccttat tctggggatt acaatgcttt 120
tatcgtttca ggcttcattt tagcttcaaa acaagctggg cacactgtta aatcatgatt 180
ttgcagaacc tttggttttg gacagtttca ttttttttgga tttgggatag attacatagg 240
agtatggagt atgctgtaaa taaaaataca agctagtgct ttgtcttagt agtttttaaga 300
aattaaagca aacaaattta agttttcttg tattgaaaat aacctatgat tgtatgtttt 360
gcattcctag aagtaggtta actgtgtttt t 391

<210> 782
<211> 195
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9, 12, 19, 35, 36, 40, 47, 146, 176, 179, 184, 186, 189
<223> n = A,T,C or G

<400> 782
gggaattgnc tnaatcttnt acggcgcctg tatgnnttgn gaattcncct ttcgtggcgc 60
ggccaggcta accactcaat ccatttgtgc ttttgttttt tttatggtgc ttaaagtaaa 120
aaacccatcc ttttgcaagg cattcnttgt tggtacctta ggcattttaa ttttgnctna 180
aaantntgna aaaaa 195

<210> 783
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 174, 274, 282, 283, 295, 296, 305, 311, 312, 329, 333
<223> n = A,T,C or G

<400> 783
ccacagggtc cactgaaacg gggaggggat ggcagcttgt aatgtgggct tttgccacaa 60
cccccttctg acagggaagg ccttagattg aggccccacc tcccatggtg atggggagct 120
cagaatgggg tccagggaga atttggttag ggggaggtgc tagggaggcc tgancagagg 180
gcaccctccg agtggggtcc cgagggctgc aaagtcttca gtacttgtcc ctcacagcaa 240
acctgcccgg cggccgccca agggcgaatt ccanacactt gnnggccgtt actannggat 300
ccaanctcgg nnccaacttg gcgtaatcnt ggnata 336

<210> 784
<211> 166
<212> DNA
<213> Homo sapiens

<400> 784
attgatgacc acagagctgg gaaaattgtt gtgaacctca caggcaggct aaacaagtgt 60
ggggtgatca gccccagatt tgacgtgcaa ctcaaagacc tggaaaaatg gcagaataat 120

```
ctgcttccat cccgccagtt tggtttcatt gtactgacaa cctcag                    166


<210> 785
<211> 196
<212> DNA
<213> Homo sapiens


<400> 785
tttggcatga ttcttagtca tacttgaact tgtctcattc cacctcttct cagagcaact 60
cttcctttgg gaaaagagtt cttcagatca tagaccaaaa aagtcatacc ttcgaggtgg 120
tagcagtaga ttccaggagg agaagggtac ttgctaggta tcctgggtca gtggcggtgc 180
aaactggttt cctcag                                                   196


<210> 786
<211> 148
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 49, 74, 75, 107, 108, 117, 128, 140
<223> n = A,T,C or G


<400> 786
gccttaacct ggcctggatg cctaccaggc cccaccaaca cctaactgnt ggatattata 60
atggcatggt ggtnntctgg aaccttccca ctaactcacc cctgcanngg atacggntct 120
ctgatggntc cttaaagctn taccccctt                                     148


<210> 787
<211> 179
<212> DNA
<213> Homo sapiens


<400> 787
aaacagacct gtagtgactg aggtgtggtt taggacttca aggttggatg gcccaggcgg 60
gaaacagagt ggagagctca gtaggccgtc tgagactgct gctggcggta gccaccgcgg 120
cgcatgtagc cctcgttttt gcggtagccg tccttctggt ctcgacctgc ccggggggcc 179


<210> 788
<211> 570
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 330, 352, 389, 450, 454, 461, 474, 482, 487, 491, 524, 537,
557, 567
<223> n = A,T,C or G


<400> 788
ccagcttctg gctgtgtttt cacatgccat atgacatcat ttaaccttaa ttactttctt 60
actccaaatt caatcacact aggagttagg gtttcaacat acgaattcgt gggggacaca 120
attcagtcca cagcatcctg taatgttcta tgacgtaagc aagaagtcag atgtgtttgc 180
cttctactcc tgcattctct gagaaggaat cccagtccca gactcttgaa ctctaatttc 240
```

```
actgaataga agcaattaac taggctctga ggcagaggaa gaaagaggac ctgggatgaa 300
gactgaaagg tcactgatgg ctggggagan ggaagaaagt ctgaaaggag angctcaggc 360
aaggcagatc aattcggata ggcacttana gaaaaatctt gcccctgccc aagaactgat 420
gcatctaacc taaaacctct tttccagtan aagntgtctg nccatctttc accnctaatg 480
gnaaacnagg nagatgcctt ttcctgcccg gcggcgtcaa aggngaatcc accccncgc 540
gtctagggat cactcgncac tggggananatg                                570
```

<210> 789
<211> 154
<212> DNA
<213> Homo sapiens

<400> 789
```
cgggtggctc aggagcttga caagcccact gtggagtggg gagcaggaga ggaaggggta 60
ctggttagtc tcctaggggc tgagtggagt attgttgccc tgcctatatc ccctaaaggt 120
ggagggtaga gcggagggtt agcagtcacc ttcc                             154
```

<210> 790
<211> 129
<212> DNA
<213> Homo sapiens

<400> 790
```
ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgttctga gatgggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacg                                                        129
```

<210> 791
<211> 177
<212> DNA
<213> Homo sapiens

<400> 791
```
ctgcttaagc tggcccacaa gtacagacca gagacaaagc aagagaagaa gcagagactg 60
ttggcccggg ccgagaagaa ggctgctggc aaaggggacg tcccaacgaa gagaccacct 120
gtccttcgag caggagttaa caccgtcacc accttggtgg agaacaagaa agctcag    177
```

<210> 792
<211> 366
<212> DNA
<213> Homo sapiens

<400> 792
```
ccagtttggt gtcggtttct attccgcctt ccttgtagca gataaggtta ttgtcacttc 60
aaaacacaac aacgataccc agcacatctg ggagtctgac tccaatgaat tttctgtaat 120
tgctgaccca agaggaaaca ctctaggacg gggaacgaca attacccttg tcttaaaaga 180
agaagcatct gattacctcg aattggatac aattaaaaat ctcgtcaaaa aatattcaca 240
gttcataaac tttcctattt atgtatggag cagcaagact gaaactgttg aggagcccat 300
ggaggaagaa gaagcagcca aagaagagaa agaagaatct gatgatgaag ctgcagtaga 360
gaaaaa                                                           366
```

<210> 793
<211> 289
<212> DNA

<213> Homo sapiens

<400> 793
ctgttgcagc atccagttca tcttaagaat gtcaacgatt agtcatgcaa taaatgttct 60
ggtttaaag aaattacata aaaggcctta gtagtcttag aaatgttttg gaggctttta 120
gtgaaatgtc atttcaggcc tagtggtccg aatctgccct cctgcggtcc atgcgatgcc 180
ctgctgaggt ctgtgaacac agctcatgag aaaccacgga aatggcccga atgtgcttac 240
gtgtgaaaat actgatactg tgattcaaca gagctgtttt tcaagccag 289

<210> 794
<211> 311
<212> DNA
<213> Homo sapiens

<400> 794
caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60
tcttaaaatt gaaggtgttt acgcccgaga tgaaacagaa ttctatttgg gcaagagatg 120
cgcttatgta tataaagcaa agaacaacac agtcactcct ggcggcaaac caaacaaaac 180
cagagtcatc tggggaaaag taactcgggc ccatggaaac agtggcatgg ttcgtgccaa 240
attccgaagc aatcttcctg ctaaggccat tggacacaga atccgagtga tgctgtaccc 300
ctcaaggatt t 311

<210> 795
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 358, 368, 396, 408, 409, 443, 461, 468, 481, 521, 540, 541, 542
<223> n = A,T,C or G

<400> 795
ctgaaaaatg acaggctagg gacatagaat attgtgaact ttatactgtt agaatcactg 60
tccattaaat gatcactagc taatggtcac taaatttaca aattaaggaa attatatata 120
gaatactgca aaaacacagt aaaaagactg aagttcgccc atttctgctc aggaagtctc 180
ttcactccta agcttcatat gttgtccttc tggcttcaaa atttctgcta ttattactgt 240
ttttcctcct tttgatcttc cttttgttcc ccagtgccag aacttccaga gccttctcgc 300
tcagatgcca tctttttgta tgccatttcg agcagcttca gtgatgcctg ctgaaaanaa 360
gatgctgnct gtctaatatt ttctccggtt cgctgncttt tctagccnng aagctccctc 420
attttggaaa tctcttcttt tanctggtgc actcatcaca ngggaatngg ccctggaatc 480
ntccatcttg ggtctggggc gaacctgccc ggcggccgtc naagggggaat tccccccctn 540
nngccgtcct a 551

<210> 796
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 176, 183, 184, 199
<223> n = A,T,C or G

<400> 796
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaanaaaa 180
acnnaaactt ttcggggant aaaa 204

<210> 797
<211> 142
<212> DNA
<213> Homo sapiens

<400> 797
aggtaaagtg aatgtgatgt tggagagagt gggaaggaaa agtaatggca agtatgcttg 60
ctcattacca ggcactgtgc taagctctgt gaatacacag ataagtaaaa tccacgctgt 120
ttctcaaaga actcacaatc tg 142

<210> 798
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 392, 430, 436, 439, 443
<223> n = A,T,C or G

<400> 798
ctggcaggac ctgaaggatc acatgcgaga agctggggat gtctgttatg ctgatgtgca 60
gaaggatgga gtggggatgg tcgagtatct cagaaaagaa gacatggaat atgccctgca 120
taaactggat gacaccaaat tccgctctca tgagggtgaa acttcctaca tccgagttta 180
tcctgagaga agcaccagct atggctactc acggtctcgg tctgggtcaa ggggccgtga 240
ctctccatac caaagcaggg gttccccaca ctacttctct cctttcaggc cctactgaga 300
caggtgatgg gaattttttc tttattttttt aggttaactg agctgctttg tgctcagaat 360
ctacattcca gattgaggat ttaatgtctt angaaatttt tttaattttt tttttttacc 420
ctgccccggn cggccntcna aanggggaaa ttccc 455

<210> 799
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 400, 414, 424
<223> n = A,T,C or G

<400> 799
ctgaagcaag ggtgctgggg ccccatggcc ttcagccctg gctgagcaac tgggctgtag 60
ggcagggcca cttcctgagg tcaggtcttg gtaggtgcct gcatctgtct gccttctggc 120
tgacaatcct ggaaatctgt tctccagaat ccaggccaaa aagttcacag tcaaatgggg 180
aggggtattc ttcatgcagg agaccccagg ccctggaggc tgcaacatac ctcaatcctg 240
tcccaggccg gatcctcctg aagccctttt cgcagcactg ctatcctcca aagccattgt 300
aaatgtgtgt acagtgtgta taaaccttct tcttcttttt tttttttttac ctcccggccc 360

```
ccctcaaaag gggaattcca cacactgggg gcggtactan ggatccaact cggnccaact 420
tggngaaaaa tgg                                                     433
```

<210> 800
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 426, 438, 447, 457, 469, 496
<223> n = A,T,C or G

<400> 800
```
ctggctttgc agtcatgcat aaaggtgagg acacttaatt caaggcatct gggggctggt 60
gtcaccgcac atgaagagta gtgcccatgc tgtcccacga gcttccttgg gaaaagggaa 120
aaacaaatct tttcctcaaa tagaattgtc gcaggaaaga gccatgacat tttattcact 180
gtttaatcat cgggtggcag gatttctttg aagtagaatc tggtagtacc cctcccaatc 240
tttgctggat cacttctaaa tggtgaatat actctgtcaa ggaatgttct ggatcttgag 300
aagcagtcag ggatctttct aatcttgaat ttggggatgg agtggctctt cccccctgtg 360
tggggaggct gcttgctgcc atctgccggc ctctggcagg gtccctggtg tggacctgcc 420
ccggcnggcc ctcgaaangg cgaaatncac acacttngcg gccgtctant ggatccaact 480
cggacccacc tggcgnaact ggcata                                      506
```

<210> 801
<211> 181
<212> DNA
<213> Homo sapiens

<400> 801
```
cggcaagtcc ctgtactatt atatccagca agacactaag ggcgactacc agaaagcgct 60
gctgtacctg tgtggtggag atgactgaag cccgacacgg cctgagcgtc cagaaatggt 120
gctcaccatg cttccagcta acaggtctag aaaaccagct tgcgaataac agtccccgtg 180
g                                                                 181
```

<210> 802
<211> 109
<212> DNA
<213> Homo sapiens

<400> 802
```
ctgcaggcta ttacctgaaa aagacaaggc agttatatta ggttctcgtg taaatatgaa 60
tatacaatca agtcaagctc ctgacaaatt atacatcaag gatgtatat            109
```

<210> 803
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362
<223> n = A,T,C or G

<400> 803
ccaggctggt gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccaggtta tttgaacatt tttaagtact gtattttctc 120
tattgtaata ttgactgtca tctctgtgca ggttttttag tggttgctct aggttgaaac 180
cctttgaatt cttaggtatc taagagtgag cattttcttt ttttgactgc tatactctca 240
ccagttgcca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaacttt acctgccggg cggg 384

<210> 804
<211> 267
<212> DNA
<213> Homo sapiens

<400> 804
agagctgacc gctgaggacc tgacgcagat gggaatcaca ctgcccgggc accagaagcg 60
cattctttgc agtattcagg gattcaagga ctgatccctc ctctcacccc atgcccaatc 120
agggtgcaag gagcaaggac ggggccaagg tcgctcatgg tcactccctg cgccccttcc 180
cacaacctgc cagactaggc tatcggtgct gcttctgccc actttcagga gaaccctgct 240
ctgcacccca gaaaacctct ttgtttt 267

<210> 805
<211> 251
<212> DNA
<213> Homo sapiens

<400> 805
aaaatcccca tgcctgtggc tgcgcttcct atttctaggg ctgggaagca ctccttgcat 60
caaggggtca cttacagaac aaagaatctt ttgggggaaa cttcctctaa aaccctctca 120
tatatagaca gctttgactg gagggtccat ttttcttcca ggatggtgtt actgcagttg 180
aaagggcaat atgaagttac tttcttaatg tgacctagca ataggcatag ctacgtggca 240
ctatattctg g 251

<210> 806
<211> 282
<212> DNA
<213> Homo sapiens

<400> 806
gcctttttat ccaaccctaa gattacttca caaatatcct tttatcctgc cacaccagca 60
ggttgataaa ggagccatca aatttgtact cagtggagca aatatcatgt gtccaggctt 120
aacttctcct ggagctaagc tttaccctgc tgcagtagat accattgttg ctatcatggc 180
agaaggaaaa cagcatgctc tatgtgttgg agtcatgaag atgtctgcag aagacattga 240
gaaagtcaac aaaggaattg cattgaaaa tatccattat tt 282

<210> 807
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 409, 430, 441, 453, 457, 479
<223> n = A,T,C or G

<400> 807
ccactcactc tcggacgtag accctggtgc acacaacgtc atccgccgtc atggtcagga 60
tcagttcccc atcgttggtc agttctctgg tccacgaggt cttggggccc tctcccttca 120
ggagcttctg ctcacagacc attttattct cactctccca tttcaccagg ctcttacagg 180
gcctcccatc cacagtctgc tcctcaaact cctccccaac cttgaagtta atctctgtgg 240
tgcgcacggt ggtggaggtt ttgatgtaga aagtgtctcc ctcctgtttg atctccactg 300
ctggcttgga cgctgcagcc acagcaatct tcctcagcat cacattcacc cccagcactt 360
tgagcaattc tcgaagtttt ccgatcggat gattttccag ttgccagana aattgggcat 420
ggtggcggcn cgggaagcgg nccccgtaga ctnctangct ggagcacttg gacactgtnt 480
tttaatt 487

<210> 808
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 32
<223> n = A,T,C or G

<400> 808
catctacaac cctgaagtgc ttgatatcac anaggaaact ctgcattctc gcttcctgga 60
gggtgtccgc aatgttgcca gtgtctgtct gcagattggc tacccaactg ttgcatcagt 120
accccattct atcatcaacg ggtacaaacg agtcctggcc ttgtctgtgg agacggatta 180
caccttccca cttgctgaaa aggtcaaggc cttcttggct gatccatctg cctttgtggc 240
tgctgccoct gtggctgctg ccaccacag 269

<210> 809
<211> 219
<212> DNA
<213> Homo sapiens

<400> 809
aaaaatctaa tctgccagtt tagcgttttc caccaactcg gggagctgaa actttcacag 60
gcttcacaat cttttgctta ggtgctgcct ttgtaggtgc cttagcagca gccattgcag 120
tctttttaga tgcttgctta gtcttttttg cttccttagc agccctgata gcttgttctc 180
gttgagcctt tctaacttca ggtttctgat tcctcttgg 219

<210> 810
<211> 360
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 315, 317, 336, 355
<223> n = A,T,C or G

<400> 810
ctgacacagt cagaactcag cagctaccat agaaaagaga agcagctcta cctgggcatg 60
tttggttaac aaagaagaaa gatgctcctc cagttgaact taggtggacc attaaacatg 120
catgaaggag aaatctgagc ctcagcaaga gaaattaacc ctatacctct gacccaggtg 180

```
gatttttgtt tctagttctg cacaaacttc actacttaga cagtctgagt ctttttctgt 240
ctatccatct gtttatttct atacctttca atacatgtta ttgttgcaga tatttggctt 300
gagaaatata atcananaac ataaaaaaa aaaaanncctg cccggggcgc cccgntcgaa 360
```

<210> 811
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 39, 132, 178, 179, 190, 199, 218
<223> n = A,T,C or G

<400> 811
```
ctgaaacagc atcaagtttt caaagaatta agagcctcng ggaggggacc cgctttcaag 60
atactgaagg tgacatcaag agtctcctcc taacaggacc aactctatct aaaagttgct 120
tacgagtaac tngaatcttg tgtaatagcc tacatctcac agaccatcag ggatgagnna 180
gaacactgtn gttgatggnc cgggatgaag agagggtnaa caaaa 225
```

<210> 812
<211> 340
<212> DNA
<213> Homo sapiens

<400> 812
```
ggaaaatgtc aacctttgta agaaaaccaa aataaaaatt gaaaaataaa aaccataaac 60
atttgcacca cttgtggctt ttgaatatct tccacagagg gaagtttaaa acccaaactt 120
ccaaaggttt aaactacctc aaaacacttt cccatgagtg tgatccacat tgttaggtgc 180
tgacctagac agagatgaac tgaggtcctt gttttgtttc gttcataata caaaggtgct 240
aattaatagt atttcagata cttgaagaat gttgatggtg ctagaagaat ttgagaagaa 300
atactcctgt attgagttgt atcgtgtggg tgtatttttt 340
```

<210> 813
<211> 249
<212> DNA
<213> Homo sapiens

<400> 813
```
attttgtaac tgtaaagatg aatgtcagtt gttatttatt gaaatgattt cacagtgtgt 60
ggtcaacatt tctcatgttg aagctttaag aactaaaatg ttctaaatat cccttggaca 120
ttttatgtct ttcttgtaag gcatactgcc ttgtttaatg ttaattatgc agtgtttccc 180
tctgtgttag agcagagagg tttcgatatt tattgatgtt ttcacaaaga acaggaaaat 240
aaaatattt 249
```

<210> 814
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 519, 528, 531, 564, 587, 590, 607

<223> n = A,T,C or G

<400> 814
ccagaagcag gtattcaaag cagagaacaa tccctgggtg accccattg cagaccagtt 60
ccagcttggc gtgtcccatg tttttgagta tatccgttct gagacataca aatacctcta 120
cggcagacac atgcaggcca acccagaacc accgaagaag aataatgaca aatcgaaaaa 180
gatcagccgg aaaccctgg cagccaagaa cagataagga agggattggc atcggctggc 240
cttccagcac cttctctctc caacacttca ttctctcttg ccctgtctct caaataaacc 300
caatgctgcg tgtgaggcct tttttatttt tcttttcact ctctttctaa tgctttccac 360
cttacctttt agattcttt gctaggtggg agattgttat aaggtcttta aaccatttcc 420
atttgttctt taacattacc aaaagcaggg gaacaaaagc tcttattcaa ctgcgaaatt 480
ccataatggg ctctggcttt cttgaataaa aatcacaang gtgctttntt nttaaaagaa 540
taattaaaat ctgtaaccct tttncctgcc cggggccccc ctttaanggn gaaattcagc 600
acccttnggg gcgtt 615

<210> 815
<211> 309
<212> DNA
<213> Homo sapiens

<400> 815
ccactacgat aagcaggtag ctgggttttg tagtgagctt gctccttaag ttacaggaac 60
tctccttata atagacactt cattttccta gtccatccct catgaaaaat gactgaccac 120
tgctgggcag caggagggat gatgaccaac taattcccaa accccagtct cattggtacc 180
agccttgggg aaccacctac acttgagcca caattggttt tgaagtgcat ttacaaggtt 240
tgtctatttt cagttcttta cttttacat gctgacacat acatacactg cctaaataga 300
tctctttca 309

<210> 816
<211> 284
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 257
<223> n = A,T,C or G

<400> 816
ccctcctcgg cttccttcct ctctgcaatg accttcaaca accggccacc agatgtcagc 60
cctactcacc tgagcgctca gcttcaagaa attactggaa ggcttccact agggtccacc 120
aggagttctc ccaccacctc accagtttcc aggtggtaag caccaggacg ccctcgaggt 180
tgctctggga tccccccaca gccctggtc agtctgccct tgtcactggt ctgaggtcat 240
taaaattaca ttgaggntcc gaaaaaaaa acctgcccgg cggc 284

<210> 817
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498,
507

```
<223> n = A,T,C or G

<400> 817
ccaatcaata agggactttc ctctctgcca ttaagagcaa cgatgctgac cacatactct 60
gtgcctggag tgaggttggt gagggtgatg gaattccgag agtggggcac ccgatcttct 120
cgaggtctcc cactgaagtg ctcgggatga tggcggatcc tgtagccagt gatggtggct 180
cgaggagcaa tccagtgcac agtaaaagag ttggcagtaa tatcagaaaa gtcaatgcca 240
gttggggaat caagacctgt ttttcccacc cggggggagga agagaaaaaa aaaagaaaag 300
acccccccag tttaggaagt gaggaaggtg taggggaaat taacgtacat ccaacatttc 360
gttccttgtc tcatcaatcc atgatttgcc ntaaaccaaa nagtaanaag tnctgattct 420
aanctacata tgaatttac cttcggccgc gaccccnctt angggcgaat tccaccnccc 480
tngcggccgg tncttanngg atcccanctc gg                              512

<210> 818
<211> 214
<212> DNA
<213> Homo sapiens

<400> 818
ctgagattca agtgcctgac ctggaagccg atctccagga gctatgtcag acaaagactg 60
gggatggatg tgaaggtggt actgatgtca aggggaagat tctaccaaaa gcagagcact 120
ttaaaatgcc agaagcaggt gaagggaaat cacaggttta aaggaagata agctgaaaca 180
acacaaactg tttttatatt agatattta cttt                             214

<210> 819
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 130, 326, 344, 382, 396, 432, 450, 457, 464, 465, 491, 499,
503, 509, 515
<223> n = A,T,C or G

<400> 819
aaaacccaaa cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgaccta gacagagatg aactgaggtc cttgttttgt tttgttcata 120
atacaaaggn gctaattaat agtatttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaatactcc tgtattgagt tgtatcgtgt ggtgtatttt ttaaaaaatt 240
tgatttagca ttcatatttt ccatcttatt cccaattaaa agtatgcaga ttatttgccc 300
aaagttgtcc tcttcttcag attcancatt tgttctttgc cagnctcatt ttcatcttct 360
tcatgggtca cagaaacttt gnttcttggg caagcngaaa aataaattgt cctattttta 420
ttttgagaag gntacctcgg gccgcgcccn ctaaggngaa ttcnnccact gggggcgttc 480
tagggggatcc nactccggnc cancttggng gaatntgg                       518

<210> 820
<211> 375
<212> DNA
<213> Homo sapiens

<400> 820
ctccaggcgc cctcggccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtaggt ggtagggaca cagatgaccg acctggtcac tcctcctgcc 120
```

```
aacattcagt ctggtatgtg aggcgtgcgt gaagcaagaa ctcctggagc tacagggaca 180
gggagccatc attcctgcct gggaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaaac tgtagaagag aatcaagaag 360
aaaaataaaa atcag                                                   375
```

```
<210> 821
<211> 143
<212> DNA
<213> Homo sapiens
```

```
<400> 821
gcccaaagtt gtcctcttct tcagattcag catttgttct ttgccagtct cattttcatc 60
ttcttccatg gttccacaga agctttgttt cttgggcaag cagaaaaatt aaattgtacc 120
tattttgtat atgtgagatg ttt                                         143
```

```
<210> 822
<211> 182
<212> DNA
<213> Homo sapiens
```

```
<400> 822
aaaaaaggac cgttgagaaa ggggtggagt ataaggaaac cgcaagtgag agggagtact 60
ctagtggggt gggggtgccg atacacagct aggcttaagg ggccagggaa ggaagtggtg 120
ccagaatcct agagatagtc atgattacgc aagagttgcc cggcaggaga gtccatagca 180
ac                                                                 182
```

```
<210> 823
<211> 300
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 175, 280, 288
<223> n = A,T,C or G
```

```
<400> 823
ccaccccgga gatgacacga ggctcacatg actctagaca cttggtggaa agtgaggcga 60
gaaaaacaat gacttgggcc aattacacga ctgcaaagct agagctgcca acagggctcc 120
agggagcttg gcttctgtag aagttctaag gaagcggtac gaactccacg gcggnggggc 180
gctaactagc agggacccct gcaagtgttg gtcgggggcc tcgagctgcc tgagctgaca 240
cgaggggagg ggtctgtgta gcacctgccg ggcggcgctn gaaagggnca attcaccact 300
```

```
<210> 824
<211> 627
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 370, 422, 511, 530, 541, 551, 554, 557, 565, 566, 576, 581,
588, 603, 604, 610
```

<223> n = A,T,C or G

<400> 824
aaaccaactt tgtgattttt attgatgggc gacaacttta tactcctaga tatcactaaa 60
ctgtgtacaa ttagggacgc agcattagag aagagcagac agcagaatta aacagagcag 120
actgaaggag agatcttcat tatttgccca tttttcatta tgtgtacaca gaagcatgaa 180
tgcaatttga aatctttaa tggcaataaa gttacaatca cccatctatg tagactaaca 240
ttttaactcc aaatatttga tctgcaatgt gtacgtaagc agtttctctc agtacaatta 300
ttaaaatttt tcctgttagg aaccagcaac ttattttta tgtttatttt tcttttgaag 360
taagaactan gttcttcttt gataactggc tcattttat catttatcaa aaactaaagg 420
gnagggaaga aaaagtgtga tggattaaaa aatttctttt ttaaggaaag ataaaattca 480
ttttcacaaa tttaccaatg gttgtgctgg ngcagggatt attttctan ctggcccggg 540
ngggcgctc naanggngaa attcnncccc tttggnggcg nttctagngg gatccagctt 600
ggnncccaan ttgggggaat aaaggg 627

<210> 825
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 356, 411, 452, 459, 469, 481, 490
<223> n = A,T,C or G

<400> 825
aaatggtatc tcttagtaac ttgcactcgt taaagaaaca cggagctggg ccatcgtcag 60
aactaagtca gggaaggaga tggatgagaa ggccagaatc attcctagta catttgctaa 120
cactttattg agaaattgac catgaattaa tggactcatc ttaatttctt ctaagtccat 180
atatagatag atatctatct gtacagattt ctatttatcc atagataggt atctatacat 240
acacatctca agtgcatcta ttcccactct cattaatcca tcatgttcct aaatttttgt 300
aatcttactg taaaaaaaag tgcactgaac ttcaaaacaa aacaaaaaac aacacnacaa 360
aaacaagtcc aactgatata tcctatatct gttaaaattc aaaagtgaac naagctttaa 420
ctggcctcgg ccgcacccc taaggcaatt cnacccctng ggcgtctant gatccactcg 480
naccactggn gatatgctac t 501

<210> 826
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 493, 514, 526, 573, 579, 590, 600, 610, 612, 626, 631, 641,
643, 648, 657, 661, 667, 669
<223> n = A,T,C or G

<400> 826
aaaattttag aagttaagac ttacgaccac ctcagtatat gccattccta atagaaggag 60
gtatgacggt ttcaaactcg tgcagagctg catttttcatt tacaagtctc tgtaggcact 120
ttagaagtga agcttggctt caaaatacaa acactggggg ctttggctca accttttaat 180
ataaaaaat tcactgatgt acaaaaattt gaaagtgtga caatgacaat tatgaaatcc 240
tgtgactgaa agtcccctcg agtgcactct gtggtgcaca tgcgcccgcc cacacaaact 300
ctggcatgga aacataaact aatgcaaacc agtgctaccc agaagcacca acacgtgtgt 360

```
tctccattcc accaatcaca gaccagtatc tactccaaac atccagtaac gaaaactatg 420
gcatcttccc aggaacagca aggcaggctt cttactcacg atgaaccagc acgaataaac 480
cccccaaaaa ganaactgct acttaaatta gganagtcat tctgangatc ggcccaattc 540
ccatttagga acaaattttt ctgaatttca aantcgggna ctttagaaan ttttttcttn 600
tttctaaaan anacctcggc gggacncctt ngggaatcc ncncctgngg cgtctanggt 660
ncaattngnc cccctgggg                                              679
```

<210> 827
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16, 381, 407, 423, 434
<223> n = A,T,C or G

<400> 827
```
ctgattaatc attgtngatg actgcagttt ttcccatcct tcccgattta catctgttca 60
ggccaattca aatatggtga gtaaatgaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttaa tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggcttctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca catttttttt 360
acctcggccg cgaccacgct naggcgaat tccagccact tggcggncgt tctagtggat 420
ccnactcgga ccancttggc gtaatcatgg cta                             453
```

<210> 828
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 364, 408, 409, 439, 444, 472, 495, 512, 514, 530, 551
<223> n = A,T,C or G

<400> 828
```
ccaggatctt tggagccccg ccaccctcag agagcatgga gggaccttcc cttgtcaggg 60
actcctgagg gcctgggtgg cccccttccat ttcctggccc tgctctgctt cctgtctacc 120
tcatactaga atgatcgtga ctacccgggc agacatttta ctgtgtttct cagaccaagt 180
gtctactgat ggcccaaaca tggagttttg tgggcttcca ctgtccccac tccgaactcc 240
tgtatgtgcc tggctgagtc acctaattca tactgtcata ctagcataat tatgactatt 300
gcatatgctt gtttttgtttg actcttggct gctacgtctt gtagggcccc tgaaaatcca 360
cttnctgccc cagaaagggc tttatttcca ctaggaggat atgcctannc aggcatcttt 420
ctctgttaca atcacaggng aggnggatta acatctttt attaaaaaca tnattaatgg 480
gggactgggt gggananaaact ttctaatgat tntnaaaaaa aaattttttn gctttactgc 540
cggcggcctc naagggaat cc                                          562
```

<210> 829
<211> 263
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 21, 91
<223> n = A,T,C or G

<400> 829
ccttggttac acaactccag naaccgggcc ccaaatccac tatctgtgca atgcagcaca 60
tgcgcacaat gctattaaac tgctcttgga naaattccag gtttgtccgg atgatgtcca 120
cacctggctg aacctgcacc aaggaaaaac tctcccgcac atactcttct agccccgtga 180
tcaatgtgtg ggttgccatc cggatgttac tgggtgtggg ctcctgacca cccaggtagt 240
gcttggtgga agaaggatcg caa 263

<210> 830
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 181, 184, 191, 222, 237, 246, 250, 268, 270, 296
<223> n = A,T,C or G

<400> 830
gaagctgatg gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca aattcaccta 60
cacagttctg gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttga 120
atatcgaaca cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg 180
nggncctgat naaaaattgg gtggcccttg gcctctgttt gnttttata aaccaanctc 240
tatctnaaan cccaacaaaa aaaattcncn ccatatgggc ccctcttgta ataatnttga 300
c 301

<210> 831
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 262, 270, 309, 349, 362, 372, 425
<223> n = A,T,C or G

<400> 831
aaataggtag aaactttatt tcctaaatcc ctccctggac ctctttcaga aggcagttca 60
aatgcactgt aggtagaagg cagaggaagc ccttatttag caatgcagaa cttggcagag 120
gccccacatc tgtcattctt cacagcagtc ccttcccaca tgctagaggg aaggggaagc 180
atgataggga ggtccacttt tgtggactca aaccttgatg gggatgttga gcagtcacaa 240
cgcttctcag aaaaggcaca ancaccccan acattcagcc cggaaaacaa gctggctcac 300
aggcttccna tcgggtgttc aaccttcttc ggaacaaggc ccagactgnc cggcggccgt 360
cnaaggcgaa tncaccactg gcgccgtcta tggatccact cgtccaactt gcgaatatgg 420
catanttttc 430

<210> 832
<211> 373
<212> DNA
<213> Homo sapiens
```

<400> 832
caacagtcgc tccctggacc tggacggcat catcgctgag gccaaggcgc agtatgagga 60
gatggccaaa tgcagccggg ctgaggctga agcctggtac cagaccaagt ttgagaccct 120
ccaggcccag gctgggaagc atggggacga cctccggaat acccggaatg agatttcaga 180
gatgaaccgg gccatccaga ggctgcaggc tgagatcgaa aacatcaaga accagcgtgc 240
caagttggag gccgccattg ccgaggctga ggagcgtggg gagctggcgc tcaaggatgc 300
tcgtgccaag caggaggagc tggaagcccg ccctgcagcg ggccaagcag gatatggcac 360
ggcagacctg ccc                                                  373

<210> 833
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 356, 357, 358
<223> n = A,T,C or G

<400> 833
gcaagacagt gattgaatac aaaaccacca agacctcccg cctgcccatc atcgatgtgg 60
ccccccttgga cgttggtgcc ccagaccagg aattcggctt cgacgttggc cctgtctgct 120
tcctgtaaac tccctccatc ccaacctggc tccctcccac ccaaccaact ttcccccccaa 180
cccggaaaca gacaagcaac ccaaactgaa ccccccccaaa agccaaaaaa tgggagacaa 240
tttcacatgg actttggaaa atatttttt cctttgcatt catctctcaa acttagtttt 300
tatctttgac caacccgaac atgaccaaaa accaaaagtg cattcaacct tacccnnnaa 360
aaaaaa                                                          366

<210> 834
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424, 437, 473, 483, 484, 489, 496, 498, 502, 514
<223> n = A,T,C or G

<400> 834
aaatgttaat acaacaggat ttttttttct ttttgtaaga gaaagcaaat ctgtacaaaa 60
atactctggt tgcaagaaaa gctagggcac actgttcaac taagagtagt ttagctgttg 120
gaaaaataag agcatttaat tttatctaaa aatatgtata aatcccctca aaatggtaat 180
gaatcataca cagtacatac taaaaatatt taaaatagag aatattcctc acagaggact 240
ttttcttta attactgcta aaaaaataat tacaaagtcc aaacaggcag agagatttag 300
cacactgatc acacgattct ccatcatcct ccacgcttgc tctgaagagg gtttaaaaag 360
tccagtttct cgttgatttc gctgctccat ttagccaagg ttggctggac ctgcccgggc 420
gccncttcga aagggcnaat tcccacccac tggcgggccg ttactaatgg atnccaactc 480
cgnnccaant ttgggngnaa tntgggcata actngttcct ggg                 523

<210> 835
<211> 238
<212> DNA
<213> Homo sapiens

<400> 835
aaaaatccat gacaccttga tagaaattag agtttacaca aacaaaaaag gaaccttcga 60
tattgccagc agctataaag tgaacgtact gagaccgaca ggacagcaag aaggcatttg 120
cacatttata tctgacaccc gaccatactt tcagtcacca gaatatcttc tctccagatt 180
taaaaaaata gtatgctgat ttctataaca aagctttttt tcgtacaaaa atcaaata 238


<210> 836
<211> 671
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 17, 448, 459, 478, 480, 526, 535, 549, 560, 568, 569, 581,
588, 592, 593, 606, 609, 645, 652
<223> n = A,T,C or G


<400> 836
ccaactatgc ctctcanaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatgat gttgaacttg 120
ttgctgaggg caacagcagg ttcacttaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gcccagtctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt 420
cttctgcaca tctacttgct taaattgngg gcaaaagana aaaagaagga ttgatcanan 480
cattgggcat acagttcatt aacttcttcc cccttcccca aaattnaatt ttttnaaccc 540
cttaccctnt atggaaaagn aaccttnng aaaccccaat naaattgnaa annaaaccct 600
aacttnccnc ttgggtttta attttccaaa ggaaattcct cccgngggct tnaaagggaa 660
accccctggg g 671


<210> 837
<211> 267
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 5, 15, 25, 33, 35, 40, 46, 51, 56, 63, 70, 79, 87, 94, 118,
120, 135, 165
<223> n = A,T,C or G


<400> 837
tacangaaca actgntacac attcnaagaa cangnattcn ctgcantctc ntgatntgac 60
ctnatgggan ggacaggana atgagancac tctnccacca cttttcctgc cttggatntn 120
tatgaggatt tgtgnctgct ctaattggtt attcctatat catgncctac taaggtacct 180
gcttataggc catgaaaata aaacgccatt caactttttt tttgtaaagc taaaataatc 240
acatgatact tattctttgg aggattt 267


<210> 838
<211> 63
<212> DNA
<213> Homo sapiens

<400> 838
ctgtttccca gcaaagatca acctctgctg gtcaggaggg atgccttcct tgtcttggat 60
ctt                                                                63


<210> 839
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 380, 389, 418, 429, 431, 436, 469, 499, 506, 507, 522, 525,
532, 540, 546, 553, 558
<223> n = A,T,C or G

<400> 839
ccaccaacag tttcccagcc acatgctggg ccctctaggt ctctccagcc cactctaagg 60
acccaagaaa tgcagccaca gtccatctct cttttttctc tccttccggg ggaccaaggt 120
accttctggg gcatacaaca tggcagcagg gcctcgggaa gaggggtagg aggaccgagc 180
agcattctct gtagaggaag acaggaaagg agaccctctt ggcgatgaat taatccttga 240
aggaaatgac attgagcttg tttcaaattc agcggctttg attcagcaag ccacaacagt 300
taaaaacaag gatatcagga aattttttgga tggtatctat gtctctgaaa aaggaactgt 360
tcaacaggct gatgaataan atctaagant taccttggct acagaaagaa aatgccanat 420
gaccttaana nctacnttgg gatatttacc ttgccccggg cgggccaang gcgaaatttc 480
cacacacttg gggggccgnt acttanngga atcccaactt tnggnaccca anctttgggn 540
gaaaanattg ggnaatanct ttttccc                                     567


<210> 840
<211> 284
<212> DNA
<213> Homo sapiens

<400> 840
aaaggaatgg attttgagag aaaacaacgt gggcagaagt atggaataga aaataaatac 60
aaatgtaggc tattctgcta attgtttat aaccacgaca aactagtaca gagaatgccc 120
tgtacaaaac acaacaaagg ttcaaacatc gagatgttcc cttagcaagg ctgaaaattt 180
cagtctctgg tatttggaat ttaggctgca gtccttgttt ttggatggat cactgggtgt 240
gtggcacagt ccatgctttt aaccagattt gaacagaaga atgg                 284


<210> 841
<211> 340
<212> DNA
<213> Homo sapiens

<400> 841
aaacctgatt tactagacct gggaattttc aacatggtct aattatttac tcaaagacat 60
agatgtgaaa attttaggca accttctaaa tctttttcac catggatgaa actataactt 120
aaagaataat acttagaagg gttaattgga aatcagagtt tgaaataaaa cttggaccac 180
tttgtataca ctcttctcac ttgacatttt agctatataa tatgtacttt gagtataaca 240
tcaagctttta acaaatattt aaagacaaaa aaatcacgtc agtaaaatac taaaaggctc 300
attttatat ttgtttaga tgttttacct gcccggcggc                        340


<210> 842

```
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 363, 407, 418, 440, 514, 526, 528
<223> n = A,T,C or G

<400> 842
aaaaatgttt tcccgtgggt aattttctat tatatatttt catatgggca aagggaaaaa 60
atgataaatc ctctgtaatc acaaacccca atttcgtttt gtttattcag cttctaaaat 120
attgaacacc cagactttta attcaacctt taagaacctt atcatttatg tttcagtaga 180
tatcaaagta atccatgttt gtgtcaaatg atcatagaaa ataaatagaa gagacagtga 240
agcaagtaaa aagaaaagca ttgttttaat ttgtttgcat taattttttt catttgtcaa 300
aatgcttctt ttgttgccac agtaaagaac agttttattt gttttgtaag taaaattacg 360
tancttattt tgtatgtaaa gattaatttc cataataaaa atattgnatg gttactgnga 420
tcttaatggg caggggtaan aaagtattta cctcggccgc gaacacccctt agggcgaaat 480
tccaccacac tggcggggcg gtactaatgg aatnccaact tcgggnancc aaactttgg 539


<210> 843
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 443, 459, 467, 545, 558, 572, 591, 596, 597, 603, 608, 613,
616
<223> n = A,T,C or G

<400> 843
atcagtagag aattcaggat agttttgttt aaattcttgc agattacatg tttttacagt 60
ggcctgctat tgaggaaagg tattcttcta tacaacttgt tttaaccttt gagaacattg 120
acagaaatta tgcaatggtt tgttgagata cggacttgat ggtgctgttt aatcagtttg 180
cttccaaagt ggcctactca agaggcccta agactggtag aaattaaaag gatttcaaaa 240
actttctatt cctttcttaa acctaccagc aaactaggat tgtgatagca atgaatggta 300
tgatgaagaa agtttgacca aatttgtttt tttgttgttg ttgttgtttt gaatttgaaa 360
tcattcttat tccctttaag aatgtttatg tatgaagtgt gaagatgcta gcgaacctat 420
gctcagattt catcgtaagt ctnccttccc tgtacagant ttcaaancgg cactgatagt 480
atgtatttct ttataaaaaa ggggtaaaaa tacaatgaac ttttacctcg gccggacacc 540
cttangggga aatccacnca ctgggggccg tnctaaggga tccaacttgg ncccannttg 600
ggnaaaangg gcnaantttt cccggg 626


<210> 844
<211> 297
<212> DNA
<213> Homo sapiens

<400> 844
aaaaatctaa aagtttattg ccagaatagc aaacttcata aagacacctt aaagtacatc 60
gaatatgaca agcaaaataa acagaaaact ttgaccaaag aaaagattgc cgctgtcatg 120
cacagtcaaa ttaataccaa accaaacaag tacatcgaag agtatatggg ttatacaatc 180
cacactctga aactaaagga gactcattcc aaaatgcttg gttttgggtt gggggtttga 240
```

gagggggct ggtgctggga gggtaatttt ctcctaatac agaatatgga aatattt    297


<210> 845
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 373, 446, 480, 482, 491, 494, 498, 544, 553
<223> n = A,T,C or G

<400> 845
ccagttttga ttgcaaatgc tgtaaagata tagaatgaag tcctgtgagg ccttcctatc 60
tccaagtcta tgtattttct ggagaccaaa ccagatacca gataatcaca aagaaagctt 120
ttttaataag gcttaaacca agaccttgtc tagatatttt tagtttgttg ccaaggtagc 180
actgtgagaa atctcacttg gatgttatgt aaggggtgag acacaacagt ctgactatga 240
gtgaggaaaa tatctgggtc ttttcgtcag tttggtgcat ttgctgctgc tgttgctact 300
gtttgcctca aacgctgtgt ttaaacaacg ttaaactctt acctacaagg tggctcttat 360
gtacataagt tgntaataca tccaattaat gatgctgaca tgctattttt gtagggagaa 420
aaatatgtgc taatgatttt ttgaanttaa aatatctttt ggggaagatt gcttaaaaan 480
tncccttttt nttncaangc ttatcttgga caaacttatg ccggcttaaa atattttaaa 540
aaanaaaact ggnttggaac aaaaaaaaaa aaaaaaaaaa    580


<210> 846
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 336
<223> n = A,T,C or G

<400> 846
atcgccatta tccccagcaa aaagctccgc aacaagatag caggttatgt cacgcatctg 60
atgaagcgaa ttcagagagg cccagtaaga ggtatctcca tcaagctgca ggaggaggag 120
agagaaagga gagacaatta tgttcctgag gtctcagcct tggatcagga gattattgaa 180
gtagatcctg acactaagga aatgctgaag cttttggact tcggcagtct gtccaacctt 240
caggtcactc agcctacagt tgggatgaat ttcaaaacgc ctcggggacc tgtttgaatt 300
ttttcttgta gtgctgtatt attttcaata aatctnggga caaca    345


<210> 847
<211> 71
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 12, 23, 27, 32, 38
<223> n = A,T,C or G

<400> 847
ggcagggngg anactcaatt tgntgangaa anaaaacntc cattaaagga taaataaaaa 60

```
cccaatttat t                                                         71
```

```
<210> 848
<211> 226
<212> DNA
<213> Homo sapiens
```

```
<400> 848
ggatactcag tttgttgagg aaataagacg tcaatgaagg gataaataag agcacaattt 60
attgcatggt aagtgtcaga tgaacagtac aatttgtgct ttagaaattc agagaacaga 120
agggtatcat tgtagctggg tgcggtggct cacgcctgta atcccagcac tttcagaggc 180
cgaggcaggc gggtcacttg agttcaggag ttcaagacca gcctgg           226
```

```
<210> 849
<211> 237
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 209, 211, 222, 227
<223> n = A,T,C or G
```

```
<400> 849
gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggt aatgtacaaa 60
tgtgaataga cacttatcta tataatatgg gtaagttttg tttcgcctat aatagatgtt 120
tataaaaaca agtgagggga cagttggtct ttttatcttt tctttctttt tctttctttt 180
cttttttct tttttttttt ttttttttng ncccccccgg gngcccnttt gaaaaaa    237
```

```
<210> 850
<211> 190
<212> DNA
<213> Homo sapiens
```

```
<400> 850
ctgtatcatc tagacgctta tatcccgctg cagatcaact ctcatgagag caaggcagcc 60
ttccaccgga agagaaagca attaatggtg gccacatctc ccattagctc tagcatgaaa 120
cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgccc agtaactaaa 180
tgaattcaaa                                                  190
```

```
<210> 851
<211> 525
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 197, 200, 203, 207, 240, 249, 252, 256, 268, 274, 276, 280,
302, 309, 321, 386, 457, 477, 495, 499, 500, 511, 514, 520
<223> n = A,T,C or G
```

```
<400> 851
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtggtt 120
```

```
tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttggaata ttgttgnggn ctnttgnttt ttctcttagt atagcatttt tacctgcccn 240
ggcggccgnt cnaaanggcg aattccanca cacntnacgn cttaatttct ttttttcaa 300
anaactaant tctgggggag ntgatattct tttcaggttg atacgtcttt tcagggactg 360
caaggggacc ataaaggtac taatgntatt aatgtgactg acaagtaatt agaaactggg 420
aaattaaatt ttacaaacat ttttacctgc cccggcnggc cctcgaaagg cgaaatncac 480
acactggcgg ccgtnctann ggatccaact nggncccaan cttgg            525
```

```
<210> 852
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 401, 408, 421, 440, 467, 477, 478, 482, 491, 499
<223> n = A,T,C or G
```

```
<400> 852
aaacctttgg aagtttgggt tttaaacttc cctctgtgga agatattcaa aagccacaag 60
tggtgcaaat gtttatggtt tttatttttc aatttttatt ttggtttttct tacaaaggtt 120
gacattttcc ataacaggtg taagagtgtt gaaaaaaaat tcaaatttt ggggggagcgg 180
gggaaggagt taatgaaact gtattgcaca atgctctgat caatccttct ttttctcttt 240
tgcccacaat ttaagcaagt agatgtgcag aagaaatgga aggattcagc tttcagttaa 300
aaaagaagaa gaagaaatgg caaagagaaa gtttttttcaa atttctttct tttttaattt 360
agattgagtt catttatttg aaaccanact gggccaatgt ncacaaanaa ttcctggtca 420
ncaccccccg aacttgcccn gggcgggccc ttaagggcga aattccncca cactggnngg 480
cngttcctaa nggaatccna actt                                   504
```

```
<210> 853
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 16, 25, 29, 36, 85, 105, 167, 256, 296, 323, 330, 334,
335, 355, 372, 396, 417, 428, 429, 441, 446, 448, 457, 471,
475, 478, 484, 488, 493, 494, 511, 523
<223> n = A,T,C or G
```

```
<400> 853
aactcaaaat tgncanatca actancttng cttttngcct ttggaaaact accattattc 60
aaatttatta tgtaatacac tcatncagat aatgaaacat ctgcnaaaag aagtgtggga 120
atcacctcat ctgtgcataa aatggctatt atacatgaat gcagacnttt gaagttagaa 180
aggaatataa ctcaaatagc aaaaggtcct aattacagag tttacaaata agcagttgta 240
ttttcaaaag tcatantaag tccagactgg gctattgcca aagaactaat ctttantcta 300
cttcaacatg ttacatggga ttnctgactn ttcnnactat taacattttg tggangtaa 360
cttcctaaag gnccccaaaa aacaggaaac attccnggaa ttaaaggctt cctcttnaaa 420
aaacaagnng ggaaaccaat ngggcnanga acctttnccc gggggggccc ntttnaancc 480
cctntttngg ggnncttttt taaaagggggg naatttcccc ccnccttggg ggg        533
```

```
<210> 854
<211> 124
```

```
<212> DNA
<213> Homo sapiens

<400> 854
ccttaggctg gacctaaata gattgatttc atttctaacc atccaattct gcatgtattc 60
ataattctat caagtcatct ttgattcctg gacctaataa attttttttc cctttcaaaa 120
aaaa                                                            124


<210> 855
<211> 240
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 209, 211
<223> n = A,T,C or G


<400> 855
cctaccgcag cctgctcgag ggacaggaag atcactacaa caatttgtct gcctccaagg 60
tcctctgagg cagcaggctc tggggcttct gctgtccttt ggagggtgtc ttctgggtag 120
agggatggga aggaagggac ccttaccccc ggctcttctc ctgacctgcc aataaaaatt 180
tatggtccaa aaaaaaaaaa aaaaaaaanc ntcccggggg ggcctttcaa agggggaaat 240


<210> 856
<211> 695
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 368, 431, 459, 465, 472, 507, 514, 522, 548, 550, 558, 585,
591, 592, 612, 622, 631, 634, 652, 656, 678
<223> n = A,T,C or G


<400> 856
cctcagcata attcttcagg tgcatctcct aggagagtcc gtcatgattc accagatccc 60
tctcctccta ggcgagcccg tcatggttcc tcagatatct cttcccccag aagggtccat 120
aacaactccc ctgacacatc taggaggact cttggctctt cagacacaca gcaactcaga 180
agggcccgtc atgactcccc tgatttggct cctaatgtca cttattccct gcccagaacc 240
aaaagtggta aagccccaga aagagcctct agcaagactt ctccacattg gaaggagtca 300
ggagcctccc acttgtcatt cccaaagaac agcaaatatg agtatgaccc tgacatctct 360
cctccacnaa aaaagcaagc aaaatcccat tttggagaca agaagcactt gattccaaag 420
gtgactgcca naaagcaact gattcaaaac tttcttctnc ccggnataaa cnaaatccag 480
ggcccaggat tcttaattca aattttnacc ttcncggaat anaactaaaa acccggaact 540
ttttattntn aacctctntt cccccagggg ggaaaaccga aggancccaa nnttttttaa 600
tttttacctt tncccccccc cnaaaggaaa naanccttct tggaaaaaaa gntttncaac 660
aatttttttt gggggctnaa aaaggggggg ggggt                           695


<210> 857
<211> 409
<212> DNA
<213> Homo sapiens
```

<400> 857
ctgccaagat ggagaagcat gtgcccctgt agagcgtctc cccagaacca gaccccgagc 60
cactcgcttc ctctgtgctg tgacaacatt ggtgccaggg gagatggtgt ttttcaaagg 120
gacctactgt agccacttta atttacaatt aagagcctta gtttgactta acactttgt 180
aggctttca ttgtgtattt ttgtgtatgt gtgcatatag cagctactct gtagcagagg 240
tgggtagaga cacttaatag tatcatgtcg catgcagatg tcacatcggc ctctgcaaaa 300
actgtactgt cttgtttctg cattagactt aagtagtcat gtgaatatac tgctatgtca 360
cttttaatat tacgagtttt atacttggaa aatggtactt gcttctttt 409

<210> 858
<211> 344
<212> DNA
<213> Homo sapiens

<400> 858
ggaattcttt gtggacattg gcccagtctg tttcaaataa atgaactcaa tctaaattaa 60
aaaagaaaga aatttgaaaa aactttctct ttgccatttc ttcttcttct tttttaactg 120
aaagctgaat ccttccattt cttctgcaca tctacttgct taaattgtgg gcaaaagaga 180
aaaagaagga ttgatcagag cattgtgcaa tacagtttca ttaactcctt cccccgctcc 240
cccaaaaatt tgaatttttt tttcaacact cttacacctg ttatggaaaa tgtcgacctt 300
tgtaagaaaa ccaaaataaa aattgaaaaa taaaaaccgt aaaa 344

<210> 859
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 369, 401, 404, 407, 421, 462, 468, 480, 521, 527, 534, 535, 538, 544
<223> n = A,T,C or G

<400> 859
ccggagtcca tagcacatat tggggatgtg atgtttactg ggacagcaga tggccgggtc 60
gtaaaacttg aaaatggtga aatagagacc attgcccggt ttggttcggg cccttgcaaa 120
acccgagatg atgagcctgt gtgtgggaga cccctgggta tccgtgcagg gcccaatggg 180
actctctttg tggccgatgc atacaaggga ctatttgaag taaatccctg gaaacgtgaa 240
gtgaaactgc tgctgtcctc cgagacaccc attgagggga agaacatgtc ctttgtgaat 300
gatcttacag tcactcagga tgggaggaag atttatttca cccgattcta gcagcaaatg 360
gcaaagacna gactacctgc ttctggtgat ggagggcaca natnacnggc gcctgctgga 420
ntatgatact gtgaccaggg aaataaaatt tttttggacc anaacttngg cccgaacacn 480
cttaaggggg aatttcaaca cacttggcgg ccgtactta ntggatncca actnnggncc 540
caancttggg gg 552

<210> 860
<211> 148
<212> DNA
<213> Homo sapiens

<400> 860
ctggggtggg gggatgtagc ctacctcggg ggactgtctg tcctcaaaac gggctgagaa 60
ggcccgtcag gggcccaggt cccacagaga ggcctgggat actcccccaa cccgaggggc 120

```
agactgggca gtggggagcc cccattgt                                        148

<210> 861
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 436, 551, 557, 560, 571, 572, 582
<223> n = A,T,C or G

<400> 861
cactgttctt gtagatggct gctctaaaaa gacaaatgaa tggggaaaga caatcattga 60
atacaaaaca aataagccat cacgcctgcc cttccttgat attgcacctt tggacatcgg 120
tggtgctgac caggaattct ttgtggacat·tggcccagtc tgtttcaaat aaatgaactc 180
aatctaaatt aaaaagaaag aaatttgaaa aaactttctc tttgccattt cttcttcttc 240
ttttttaact gaaagctgaa tccttccatt tcttctgcac atctacttgc ttaaattgtg 300
ggcaaaagag aaaaagaagg attgatcaga gcattgtgca atacagtttc attaactcct 360
tcccccgctc ccccaaaaat ttgaattttt ttttcaacac tcttacacct gttatggaaa 420
atgccaacct ttgtanaaac caaaataaaa attgaaaaat aaaacctaaa catttgcccc 480
ttgtggcttt tgaatatttt cacagaggaa attacctgcc cggcggcctc caaaggcgaa 540
ttcacacctg nggcctntan ggaccacttg nnccacttgg gnaatatggc ta          592

<210> 862
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 80, 134, 176, 199, 203, 232, 288, 300
<223> n = A,T,C or G

<400> 862
ataagggctg tttttgctgc cccaaaaggg cttaacaatt taggcggata gtttacttaa 60
aaaaaaaaaa tcctttggan acatactgaa aatgcaaact agtttctaaa ttatcaattc 120
cctacatgaa aaancagttt gccaaagttt agtctcaaaa aatgactggt tggctntatt 180
taaatcaaaa cccaatttnt acncgtgttg aataaggtaa cagcctttga tnaatttcct 240
tcacaacatg gttttagtga agcaaacatt tttttttaag ggcattgntc tttctagttn 300
atttcttttt atgaaataaa attattttat tt                                332

<210> 863
<211> 297
<212> DNA
<213> Homo sapiens

<400> 863
ccttggttta attgcaggcg cattgaacag tcctgggcac tacatgtaaa ttaagcccaa 60
agatggggag aaaggaaaag gagagacaaa tatagtccat actgagagtc atcaacaatc 120
cagactgaag tcttctattt taatctcaat ccccttttct gatttgccac ccatgcctct 180
tcaggctgga aacaatctct tggttccta aagcactttc ttctgactgc tgtgattcag 240
tgaaccttgc cctttgcttt ctattacttg tgcatttgcc tcacctgaca atgtttt    297
```

<210> 864
<211> 79
<212> DNA
<213> Homo sapiens

<400> 864
gtgtctaaaa atccattccc tctgccctga agcctgagtg agacacatga agaaaactgt 60
gtttcattta cctcggccg                                               79

<210> 865
<211> 98
<212> DNA
<213> Homo sapiens

<400> 865
tagaaattga gatgcccccc caggccagca aatgttcctt tttgttcaaa gtctattttt 60
attccttgat atttttcttt ttttttttt ttttgggg                           98

<210> 866
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 397, 404, 414, 426, 513, 518, 528, 545, 567, 568, 569
<223> n = A,T,C or G

<400> 866
aaaatatttc ccctagtttt ttggggggat aggaagaaag atttgttact gtattttttt 60
aactacataa aaatagatca ataaatgtca gcattggcct ctgtgtacaa accaagagct 120
tttacagatc cagaatttat tagtttaaaa tgcaggtgaa cttttttttg cgtttggttt 180
acttgtctgt caaatgtttc cttaaacatg aaactgaata aggagaagag tattttttaac 240
acttaaattt cttggcaaat tttaaaacat ttttttagtct gtaatacact ccacttgaag 300
cacttaagtc ttccttaaat gactttttctt aagtaatgat actgtgtgtt ttcccaaagc 360
acttttaaaa aaatttttat aaattactat ctgttgnaaa aggnggccct tttnccttttc 420
ttctanaatt tttttcttac caaaatttcc ctaatctttg aaaggtttgg ggaaatttaa 480
aatttcaaaa tggccaaaaa accttgacct canttttancc ttgccccngg gccgggcccc 540
ttttnaaaaa ggggcaaaat ttcccannnc cctttggggg gg                    582

<210> 867
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 32, 38, 64, 400, 496, 521, 537, 548, 550, 551, 576, 580,
588, 602, 605, 610, 619, 625, 626, 636, 637, 646, 652, 654,
659
<223> n = A,T,C or G

<400> 867
aaacattacc cancatcatt gtttataatc anaaactntg gtccttctgt ctggtggcac 60

```
ttanagtctt ttgtgccata atgcagcagt atggagggag gattttatgg agaaatgggg 120
atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa 180
ggttattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240
cttgaccttc tttgaaaagc attcccaaaa tgctctattt tagatagatt aacattaacc 300
aacataattt tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtggtt 360
catctctttc acctgcattt tatttggtgt ttgtctgaan aaaggaaaga ggaaagcaaa 420
taccaattgt actatttgta ccaaatcttt gggattcatt ggcaaataat ttcagtggtg 480
gggtattatt aaatanaaaa aaaaattttt tttctaaggt naaggctaat tgaaacnttt 540
gacttatnan nacaattttc ctttcaaata aattcnttcn aaaaaatnaa aaaaaaactt 600
gnccnaaccn cctaagggna attcnncact ggggcnntta atggancaac cngncaacnt 660
ggg                                                              663
```

<210> 868
<211> 251
<212> DNA
<213> Homo sapiens

<400> 868
```
ggaaaaccaa acatgcttta tttcattttt ttcacaattt atttaaacat ctcacatata 60
caaaataggt acaatttaat ttttctgctt gcccaagaaa caaagcttct gtggaaccat 120
ggaagaagat gaaaatgaga ctggcaaaga acaaatgctg aatctgaaga agaggacaac 180
tttgggcaaa taatctgcat acttttaatt gggaataaga tggaaaatat gaatgctaaa 240
tcaaattttt t                                                     251
```

<210> 869
<211> 143
<212> DNA
<213> Homo sapiens

<400> 869
```
aaatgttgaa tattcccttg tatggatata ccacaattca tttacccatt tacttgttga 60
tgacatttgg gttgttttag ttttgggata ttacaaataa agctgctgtg aacatttgtg 120
caaaaaaaaa aaaaaaaaaa aaa                                         143
```

<210> 870
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 4
<223> n = A,T,C or G

<400> 870
```
nngnatgttt ttattaaaaa aaattaaaga ccttcatggc acaacttctt cccagcacag 60
ttatggttta gtcataccaa ttacaataca attacaacca ataaagcaag gtggggaggg 120
ccttctggct tcaaacttaa aaaaaagcag aggaagaggg gagggaccac ttcaaacaaa 180
gtttaaaaaa tctttcagag taattgccaa cataaccttt catgttgg            228
```

<210> 871
<211> 696
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 5, 395, 427, 476, 530, 542, 543, 565, 613, 625, 637, 643,
663, 670, 681, 690
<223> n = A,T,C or G

<400> 871
ctgangatta gctaatctaa gaacttgaag ctcccgttta aggccttgct ctgtctcagc 60
acctgttgtt caaggtcttc attgtatttg ttaacttttt gttctctctc tgttgcttct 120
tttacaagct gtttaaggtc agtaatgctt tgattttttt tggcaatatc agtttccaat 180
tcttttaact tggtttcata cattcttgta accacaatgg atttccagct cttactgtca 240
gcaccttcaa gctgtggacc tctgctttct gcaaactgca atctcttacc agtctcttct 300
agttgaactg tcatcttctc atttaatatc tctaaattat tctttgctat cccgtaattt 360
ctctgcacat cagtttcttt tttaagttct ttacnaacct ttcattttca gcaataattt 420
tttctgngcc tttggtcttg gattcatagt gcatgctcaa ctgatgccca aaagancttt 480
aagttttcta attcagcctt caattttcat tttcctgctc aaaataaccn attttcact 540
anncaatatt cctgaagctt ttttnactgg tcatttctct ctggactttt cacacttttt 600
tcattaaacc canggttttt tccantttg gaatggnttt tcnctttac caaacctta 660
aanggacctn ccgggggcc nttaaagggn aatccc               696

<210> 872
<211> 206
<212> DNA
<213> Homo sapiens

<400> 872
ccagataagc taggatgaga gcagagactc agtgtgtggg tgtcccttcc tgcttcccct 60
tcaggtcttg gtttgttctg aagggacgtt ttatagtcac tatccacatg ccagtgtgaa 120
atgggcatct atgacgtggt cagggtgtcc attcctaatc atggggcaga tgccacaagc 180
attcagaaag gagtctgaaa gggtgg               206

<210> 873
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 438, 440, 473, 485, 497, 520, 521, 542, 551, 564, 567, 571
<223> n = A,T,C or G

<400> 873
tttttttct aaagagaaaa aattttatt gtgatataaa atgcacttat aaaatgtcca 60
ccagaaggca tgtaatcctt cactgctata taaatttact gggaatatgt tattcaccat 120
ctaggtatga tactgccaac taaaacatac tgtaaacgat gagttatact ctataacaaa 180
tgcatcactg attttcagca atcattggtt taataataat tagtttaaga ctataatcac 240
atctatattc tggaatgtcc atttacttta atgtagtgta gtggaattta gagtataatt 300
gcacatagat ggtacagaaa aacattcact tctaaattat tttatacctt catgacaggt 360
agtcttcctg actgaaaata acagcttcag ctatggtctg ctccaggatt cttaatgcaa 420
taatttgggt gtatgtgngn ctgctacctg accccatgg aacaacttat atntttataa 480
acaangcaaa attttgncag ttattttgca tggttacctn ncccggcggg cctttaaaag 540
gnaaaatcca ncaattgggg ggcnttntta nggaa               575
```

```
<210> 874
<211> 226
<212> DNA
<213> Homo sapiens

<400> 874
ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60
atctctggat ttctgtagtg gctttagtca ggcatattta tcatcatatt agcagtgttc 120
agttcctgcc caacatcttt atttaatccc aattcaatgc ttatggatgc tcagctcatg 180
tttaatgttg caagccccat cttagcccat cttaattcaa acagaa 226

<210> 875
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 378, 511, 514, 531, 545, 555, 562
<223> n = A,T,C or G

<400> 875
gtgttattca tggggcagat aaacaaaccc tgaagagtat acaaaagaaa ccatgcaaag 60
caacgactac tttgctacga agaaagactc ctttcctgca tctttcatag ttctgttaaa 120
tatttttgta catcgcttct ttttcaaaac tagttcttag gaacagactc gatgcaagtg 180
tttctgttct gggaggtatt ggagggaaaa aacaagcagg atggctggaa cactgtattg 240
aggaatgaat agaaaggctt ccagatgtct aaaagattct ttaaactact gaactgttac 300
ctaggttaac aaccctgttg agtatttgct gtttgtccag ttcaggaatt tttgtttttgt 360
tttgtctata tgtgcggntt ttcagaagaa atttaatcag tgtgacagaa aaaaaaatgt 420
tttatggtag cttttacttt ttatgaaaaa aaaattattt tgcctttaa attcttttcc 480
cccttcccct tccaaagtct tgatagccaa ncgntttttt ttggggggaa naaaccgggg 540
aaaantctaa ccccntttgg gntttt 566

<210> 876
<211> 136
<212> DNA
<213> Homo sapiens

<400> 876
ctgctacatg cggtggagtg tccacaattt gccggtcatc tgaggagcca cctcgcttca 60
ggtcaatgac tggggcgagg actgtacttt gtttcgtcct ttggctcttt gcctgagtga 120
gagctgcctt cttcac 136

<210> 877
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 443
<223> n = A,T,C or G

<400> 877
```

```
nnaatgttca tgtagaaaat taatgaacta taggaatagc tctaggagaa caaatgtgct 60
ttctgtaaaa aggcagacca gggatgtaat gtttttaatg tttcagaagc ctaacttttt 120
acacagtggt tacatttcac atttcactaa tgttgatatt tggctgatgg ttgagcagtt 180
tctgaaatac acatttagtg tatggaaata caagacagct aaagggctgt ttggttagca 240
tctcatcttg cattctgatc aattggcaag aaagggagat ttcaaaatta tatttcttga 300
tggtatcttt tcaattaatg tatctgtaaa agtttctttg taaatactat gtgttctggt 360
gtgtcttaaa attccaaaca aaatgatccc tgcatttctg aagatgttta cctcggccgc 420
gaccacgcta agggcgaatt canccacttg gcggccgtct aatggatcca actcggacca 480
gcttgcgaat catggcata                                               499
```

<210> 878
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16, 175, 236, 339, 389, 394, 395, 400, 444
<223> n = A,T,C or G

<400> 878
```
gctgcgaggg ccgaanctaa gctctcacgt ctggccgcct tcaggctccg cacacacagg 60
aagcaaaagc taaggcagag ttgaaaatgt gtttaaccgc ggaagggctg accccacatg 120
cacacagacc cttctacaaa ctctgggagg gttttatggg tttttttgat tccanatgtt 180
taaggaaatc tctgtcctat cactgaccct gggctaaaag aataggaaga aacggncata 240
cgtgacaaaa aatacagact ttacaaccag aaaagtcatt aaacaaataa ctactgcaac 300
aaacaagcaa agaaccaaac cccgggaaaa ggggcgtang gatcattttt ttccagaatt 360
tgctaccatt attaatattt cttaaacanc ccanntttan cctcggggcc gcgaaccacc 420
ccttaagggg cgaaatttcc agcnccactt gggcgggccg ttacttagtg ggaatcccaa 480
cttc                                                               484
```

<210> 879
<211> 259
<212> DNA
<213> Homo sapiens

<400> 879
```
aaacttttcc ttcaagttat gggccacttc aaaaacagtg tggcattgag ggtaggcaag 60
tgggagaagg gagacctgga ctgcagagtc cagaagccag aactttgaac tgtgcttcta 120
gctctttcca gcagtgagaa cttggaaagg tagactcttt gcatctcaac cttctcatct 180
ttcaaagggg atgaataatt ccaatcacac aagaaaggac tgaacaagat gaacaagatg 240
atcactgtcc aggcgccgg                                               259
```

<210> 880
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 481, 482, 495, 541, 542, 552, 553, 571, 581, 582, 589, 592,
599, 601, 608, 613
<223> n = A,T,C or G

<400> 880
gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca agggtgttac actgggcttc cgttacaaga tgaggtctgt gtatgctcac 300
ttccccatca acgttgttat ccaggagaat gggtctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat atatccgcag ggttcggatg agaccaggtg ttgcttgttc agtatctcaa 420
gcccagaaag atgaattaat ccttgaagga aatgacattg agcttgtttc aaattcaccg 480
nntttgattc agcangcccc accagttaaa aacaaggata tcagggaaat ttttggatgg 540
nntctatgtt tnntgaaaaa ggaacttttc ngcaggctgg nngaataana anttagaant 600
nccctggntc ccnaaaaaaa a 621

<210> 881
<211> 357
<212> DNA
<213> Homo sapiens

<400> 881
gccgctctgg accgtctcaa ggtgtttgac ggcatcccac cgccctacga caagaaaaag 60
cggatggtgg ttcctgctgc cctcaaggtc gtgcgtctga agcctacaag aaagtttgcc 120
tatctggggc gcctggctca cgaggttggc tggaagtacc aggcagtgac agccaccctg 180
gaggagaaga ggaaagagaa agccaagatc cactaccgga agaagaaaca gctcatgagg 240
ctacggaaac aggccgagaa gaacgtggag aagaaaattg acaaatacac agaggtcctc 300
aagacccacg gactcctggt ctgagcccaa taaagactgt taattcctca aaaaaaa 357

<210> 882
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2, 9, 17
<223> n = A,T,C or G

<400> 882
nnctgctcnc tgggcanaca taccatgtgg ctgtggtctg ctacctgacg tctcaggtca 60
gagccaccta ccatggaagt ttcagtacaa agaaatctca gcccccacct ccacagccag 120
caaggtcagc ttctagttca accatcaatc taatggtgag cacagaacca ttggctctca 180
ctgaaacaga tatatgcaag ttgccgaaag acgaaggaac ttgcagggat ttcatattaa 240
aatggtacta tgatccaaac accaaaagct gtgcaagatt ctggtatgga ggttgtggtg 300
gaaacgaaaa caaatttgga tcacagaaag aatgtgaaaa ggtttgcgct cctgtgctcg 360
ccaaacccgg agtcatcagt gtgatgggaa cctaa 395

<210> 883
<211> 294
<212> DNA
<213> Homo sapiens

<400> 883
cgaagacctt tgctctgctg ctgctgtccc tgttcctggc agtgggacta ggagagaaga 60
aagagggtca cttcagcgct ctcccctccc tgcctgttgg atctcatgct aaggtgagca 120
gccctcaacc tcgaggcccc aggtacgcgg aagggacttt catcagtgac tacagtattg 180

```
ccatggacaa gattcaccaa caagactttg tgaactggct gctggcccaa aaggggaaga 240
agaatgactg gaaacacaac atcacccaga gggaggctcg ggcgctggag ctgg        294


<210> 884
<211> 252
<212> DNA
<213> Homo sapiens


<400> 884
ttcatttgaa aactgagcca aggtgttgac tcagactctc acttaggctc tgctgtttct 60
caccccttgga tgatggagcc aaagagggga tgctttgaga ttctggatct tgacatgccc 120
atcttagaag ccagtcaagc tatggaacta atgcggaggc tgcttgctgt gctggctttg 180
caacaagaca gactgtcccc aagagttcct gctgctgctg ggggctgggc ttccctagat 240
gtcactggac ag                                                       252


<210> 885
<211> 218
<212> DNA
<213> Homo sapiens


<400> 885
aaaatcctga ttttggagac ttaaaaccag gttaatggct aagaatgggt aacatgactc 60
ttgttggatt gttattttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa aaaaaaaaaa aaaaaaa                             218


<210> 886
<211> 693
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 494, 511, 528, 550, 560, 566, 582, 593, 594, 598, 610, 626,
641, 651, 675, 678, 690
<223> n = A,T,C or G


<400> 886
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaacctttt catgtgttga atgttcaaat 420
aatgttcatt acacttaaga atctggctga atttttattag cttcattata aatactgact 480
gatatttact cttnccttta agttttttaag ncctctgtac atgatggnat aaatttttctt 540
gtttcagtgn tttgggacan attttntttta tgtaattgtt cnggtaaaat ttnngggngg 600
agtgggaaan ttttcaaatt ccatcnttttt ggggttgggg nggggacat naaaaggtaa 660
ttgggcaaaa tgctnagncc aaaatttgan ggc                                693


<210> 887
<211> 593
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 433, 440, 496, 500, 502, 506, 533, 541, 549, 563, 570,
575, 582, 584, 588
<223> n = A,T,C or G

<400> 887
ngcgagagct tcaagagcaa agagtttgtg tctagtgatg agagctcttc gggagagaac 60
aagagcaaaa agaagaggag gaggagcgag gactctgaag aagaagaact agccagtact 120
cccccagct cagaggactc agcgtcagga tccgatgagt agaaacggag gaaggttctc 180
tttgcgcttg ccttctcaca cccccgact ccccacccat attttggtac cagtttctcc 240
tcatgaaatg cagtccctgg attctgtgcc atctgaacat gctctcctgt tggtgtgtat 300
gtcactaggg cagtggggag acgtcttaac tctgctgctt ccaaggatgg ctgtttataa 360
tttggggaga gatagggtgg gaggcaaggg caatgcagga tccaaatcct catcttactt 420
tcccgacctt aangatgtan ctgctgcttg tcctgttcaa attgcttgga acaggggtc 480
atgtgaaggc cagganctin gnccgngaac ccccttaggg gggaattcca gcnccccttgg 540
nggccgttnc ttgtggatcc canctcgggn cccancttgg gngnaatnat ggg        593

<210> 888
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 346, 481, 500, 516, 568, 575, 579, 580, 589, 591, 599
<223> n = A,T,C or G

<400> 888
gctnttcttg gttccttcag tggtgttggt agtaaaatgg taggtaaaag ttaggctgca 60
agttcaataa atcatgagat ttcccatcgt tacacccttg tgtattcaca tttcttggat 120
caaacatttt gagtgaacta ggggtttta ttaaagacat ttgttgtatt tatggttgta 180
actgtacatg cttatcagga tgagactgaa agaaggtagg gcaaaaatgg ttgaatctat 240
tttcagatag tagttcatac ttgagtgaag tgtcttgtct gcattatgaa gcctggtatg 300
tatccagtac taaataggtg ggttaaatgt ggtaattcta gttcantgtc ttaccctgaa 360
gagaaagttg taggttggct gttgaaattc attccttaga tatgatcaag tttgattgcc 420
ccggctttat tgcctttaca ggaatgtgat actcagggct tactctatac accaatgagt 480
nttctttgat cctaagaacn ccactgaagt tggttnaggt cttttggacaa catgaataaa 540
cttcttcaaa aacttttttt tcctttgnaa ggaangggnn ttgcttcang ntactaatna 600
aaaaaa                                                          606

<210> 889
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 397, 408, 474
<223> n = A,T,C or G

<400> 889

```
ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaaggtt ggcatggaag acactgcaat aaaaggtacg aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatggtata 420
gaatttcttg tttcagtgct ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a                                                                 481
```

```
<210> 890
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 218
<223> n = A,T,C or G

<400> 890
ccaaaaccag gctttgattg aaccaggatg aatgcgggtg tcggaagtag aatatatata 60
tacatataaa attgaaactg gcgatggaat atgagaggag ccctctggaa agaaaaggac 120
agaccctgtg ctttcatgaa agtgaaaatc tggctgaacc agttccacaa ggttactgta 180
tacatagcct gagtttaaaa ggctgtgccc acttcaanaa tgtcattgtt agactttgaa 240
atttctaact gcctacctgc ataaagaaaa taaaatcttt t              281
```

```
<210> 891
<211> 153
<212> DNA
<213> Homo sapiens

<400> 891
ccagccctga agttgccctc ccagggagga accagctctg ggagggaggg gctgtcagac 60
ctccagggcc tggctgggat ctctggtcag gaatgtgtga aagggtggtg gggagagaag 120
atggcagcac ccccaggcat gggctgcgag cag                       153
```

```
<210> 892
<211> 203
<212> DNA
<213> Homo sapiens

<400> 892
aaagtagttt tctttaggaa ctgtcagcat gttgttgttg aagtgtggag ttgtaactct 60
gcgtggacta tggacagtca acaatatgta cttaaaagtt gcactattgc aaaacgggtg 120
tattatccag gtactcgtac actatttttt tgtactgctg gtcctgtacc agaaacattt 180
tcttttattg ttacttgctt ttt                                  203
```

```
<210> 893
<211> 211
<212> DNA
<213> Homo sapiens

<400> 893
```

```
cggccgaggt aaatttgcca gcagggaagt aaaataatta tgggaagagt gtcttaagcc 60
taatattaaa tcagttttgt taaggggaaa actcaatagt tctgttactt aggctgttag 120
atccaagttg attttgtgt ctacagctaa attttgttta caattaggct attttttaat 180
ataggattta gaaaccaagg gtatgtgttt t                                211
```

<210> 894
<211> 344
<212> DNA
<213> Homo sapiens

<400> 894
```
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc tttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt             344
```

<210> 895
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 56, 65, 71, 77, 90, 97, 183, 204, 206, 246, 249, 260,
323, 336, 351
<223> n = A,T,C or G

<400> 895
```
ctgaaggaga ctgtggaaaa atataaacga gctntggcag acactgagaa cttacngcac 60
agganccaga nattggngga ggaggcaaan ttatacngca ttcaagcctt ctgcaaggac 120
ttgttggagg tggcagacgt tctggagaag gcaacacagt gtgttccaaa agaagaaatt 180
aangacgata accctcacct gaanancctc tatgaggggc tggtcatgac tgaagtccag 240
atccanaaag tgttcacaan gcatggcttg ctcaaattga accctgtcgg agccaagttc 300
gacccttatg aacatgacgc ctngtacccc accggntgaa gggaagacca ngcacatggc 360
cctactacaa agtgggggaca agctgcttgg ccactctaga cc                402
```

<210> 896
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 155, 164, 166, 170, 217, 220, 235, 261, 279, 286, 318, 326,
335, 362, 400, 406, 410
<223> n = A,T,C or G

<400> 896
```
ccaagaacgt gcaataaatt ggaagtttgc cccgggggcag caagaattta tgctgccatt 60
gaagagcagg taccagtgcc ccttttcaga cagttttttga ttcgctctag actttttttt 120
tttttaatag ggaggggaaa aatttgataa ttttntttttt tctncntgcn cttaaaacta 180
aaacacaggt tgggataaat ttatttgctt ccttttnccn tttttttttccc caaancctga 240
```

```
tgggaaaaat gtccagggca nggaaacccc ctttttttgna gggganaact caaatgaaaa 300
ttggggctta tttttacnct tctctnttgg ggctntttttg gggggctatc tgttttaagg 360
gntcctttaa ggcccctggg ggccctggac ctgcccgggn ggcctnaaan ggggaaattc 420
caaca                                                              425
```

<210> 897
<211> 172
<212> DNA
<213> Homo sapiens

<400> 897
```
aaagcactca cataaatcca tttcactcaa aaaggaaaca taaagtgctt ctagcagtac 60
aagcacggtt ggcatggcct ttccaaaggt cttccactag agtctagaga aatctaaata 120
tagtcatcca caaactggat gtttttattt tctgagccat tagagatttt ca          172
```

<210> 898
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 270, 283, 301, 336, 358, 405, 410, 430, 441, 452, 463, 479,
480, 485, 509
<223> n = A,T,C or G

<400> 898
```
ccggattgga gggagcacag atacaggcaa acatatcaag gagaatgact attatactcc 60
aactggggag ttccgtgtgg accgtgaagg ttctccagtg ctgctcaact gcctcatgta 120
caagatgtgt tactatcgct ttggacaggt ttacacagaa ccaagcgtcc tccagctttg 180
accgtgtccg aaaatgctga gattgggaat aaagactttt gagcttgatg tcctggagga 240
aacatatacc acagaacatt ggctggtcan gatatacaag gtnaaaggac ctggataatc 300
naagcttgtc aaggacataa atggcacgtt caactntgat tgcttccact tagccatnac 360
atttaagacg ttgaaaaatt ttttttttttt ttttttttaat atcantttgn aaaaacaaaa 420
ctggatgggn ttaaaatttt ntggaaattt tnttttgggc aanatgggct gggccaaann 480
aaaanatttt tttaattttta aaaagggtnc ccaaaa                           516
```

<210> 899
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 262, 273, 311, 331, 353, 357, 402, 418, 424, 433, 439, 443
<223> n = A,T,C or G

<400> 899
```
atgaagttca atcccttcgt tacctcggac cgcagtaaaa accgcaaacg tcacttcaat 60
gccccctcac acgtgcgcag gaagatcatg tcatccccgc tctccaagga gctgcggcag 120
aagtacaatg tccgctccat gcccatccgc aaggacgacg aaggtccagg tagttcgaag 180
gacactacaa aggtcagcaa attgggcaag ggtagtccca ggtggtacca gaaaagaaaa 240
tattgtcaat ctaacatcga ancggggtgg canccgtgaa gaaagggccc aaacgggcac 300
caaacttggt nccccgttgg ggccatttca nccccaaagc caaagggtgg ggnttantca 360
```

```
cccaagggct taaaaaactt gggaaccaaa gggaattcgg gnaaaaaaaa aaaatttntt 420
tggnaaaccg ccnaaaagnc ccnaaattt                                    449
```

<210> 900
<211> 190
<212> DNA
<213> Homo sapiens

<400> 900
```
aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaatg ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggccgcaat actgtaggaa caagcatgat ctttgttact 180
gtgatatttt                                                        190
```

<210> 901
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 338, 373, 417, 469, 515, 520, 536, 558, 565
<223> n = A,T,C or G

<400> 901
```
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattagga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatcaccac acgatacaac tcaatacagg 240
gagtattctt tctcaaaatt ctttcttacc cccatcaaca attctttcaa agtattcttg 300
gaaaatacct tatttaaatt taagccccct tttggtantt tattgaaacc aaaaacccaa 360
aaaccagggg gancccttca aggtttcatt cttcttggtc ttaagggtcc aagccanccc 420
taaaccaatt ggtggggaat caccaccttc atttggggga aaaggtggnt tttggaaggg 480
taaatttac ccttcggggc cggcggaaac caccnccttn aggggcgga aatttnccaa 540
ccacccccctt tggcgggncg gtttncttta                                570
```

<210> 902
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 304, 309, 396, 400, 408, 409, 428, 456, 472, 477, 493, 506,
513, 532, 536, 537, 544, 546, 568, 578, 590
<223> n = A,T,C or G

<400> 902
```
ccatggatgt gccccaatac agtacacatt ttttggttaa atttgttttc agatcatttc 60
atggaatctt tgaagtatct ttgactctaa ctttgacttg gtggtggacc ttccttggtt 120
tttataacac ctaagagata tcctttagaa ttacatgtat tttagcataa ggaaattgga 180
aaaagtaaaa catctgggtt ttttcaccaa gaccatatgg taaataaaat agtgaaaatg 240
gtggtatgaa gttcaagtaa gaacctggac cctcaaccaa tggttttcca ttaaaatatg 300
ccanaagtnc ttttctttg gaattgggta atttaccaat aattggttaa aattggaatg 360
```

```
catttgccat ttctaaggaa tctaaaagaa ttggantacn agaaaggnnc caattttatt 420
atttgganga aaaatatgaa aaattaccgg ggcccnatac ctggttttga tnaaatnaaa 480
ttggattttt tanccttggg ccgcgnaacc acnccttaag gggggaaaat tncaannaca 540
cctntngcgg gccgtactaa aggggaancc caacttcngg aaccaaaacn ttggggggaa 600
a                                                               601
```

```
<210> 903
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 354, 369, 426, 433, 439, 449, 476, 481
<223> n = A,T,C or G

<400> 903
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
agagttggtt gaaccgcatc ctcaatattc ctttttgttc ctctgggtaa ttgggtgggt 240
gcctggcttg gcttttgtcc tgggaaatat gggtaagggt tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggcttgg aaccttcttt ggttgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccacccact tgggaaggtg gaacccaacc 420
aatggnatga agnatttang ggccttatnt aaaaaagaat tgcttccccc agggtngggg 480
ncaaaatgga aggaaacaa tggccttgac agtgaccaca ccggaatcca tt          532
```

```
<210> 904
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G

<400> 904
ctattgtana tattgcaccc tatgacattg gtggtcctga tcaagaattt ggtgtggacg 60
ttggccctgt ttgctttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta 120
actccatatg tgttcctctt gttctaatct tgtcaaccag tgcaagtgac cgacaaaatt 180
ccagttattt atttccaaaa tgtttggaaa acaagtataa tttgacaaag aaaaaatgat 240
ctttctcttt tttttggctg gttccaccaa aataccaatt tcaaaatggc ttttttggtt 300
taatttttt tacccaattt ccaattttca aaaatggtct tcaatgggtg gctattaata 360
aaaataaaac ctttcaacca cttcttttat tggaataaac ctta                404
```

```
<210> 905
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 189, 224, 259, 314
```

<223> n = A,T,C or G

<400> 905
aagaaaggaa aataaactct ttgtatgata tttattagga ggaaagagga ctgaaaatgt 60
tcttgtgtag aaacagaagg acagcatttc tgttagtcat ttcctggaaa agtaatattt 120
taaggggaaa ttatggaaac aatctaattg ttcaattgct gtgctagtgg gtagggttta 180
ttttctggna gtctctcctt tgtgggctgt atgtttggta cacnccgtgc cctctgcttg 240
tcccaaaggg aaggggttng tgtccaagtg tattggaagt agtggtggaa cttaaagaac 300
ctggaaaaac ggancttccc cgggccg 327

<210> 906
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 339, 366, 409, 412, 442, 448, 466, 486, 500
<223> n = A,T,C or G

<400> 906
gtcattgatg tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa 60
ctagccaaaa tgtacaagac cacaccggat gtcatctttg tatttggatt cagaactcat 120
tttggtggtg gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag 180
aaaaatgaac ccaaacatag acttgcaaga catggcctgt atgagaaaga aaaaaacctc 240
aagaaagcaa cgaaaggaac cccagaacag aatgaaagaa agtcaggggg actgcaaaag 300
gcaatgttgg tgctggcaaa aaagaaatga acctggaana ttggatcacc agcccgaaag 360
gaagtnaaag gtgcttcaat gatgttagct tgtggacctt ccccgggcng gncgctcaaa 420
gggccaaatt ccaacacact tntggcgncg gttacctaat ggaatnccaa actcggtacc 480
caaacnttgg cgtaatcatn gggccata 508

<210> 907
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261
<223> n = A,T,C or G

<400> 907
aaagttcttt atagggttag ggtgtgggaa aatgctatat taataaatct gtagtgtttt 60
gtgtttatat gttcagaacc agagtagact ggattgaaag atggactggg tctaatttat 120
catgactgat agatctggtt aagttgtgta gtaaagcatt aggagggtca ttcttgtcac 180
aaaagtgcca ctaaaacagc ctcaggagaa taaatgactt gcttttctaa atctcaggtt 240
tgtctgggct ctatcatata nacaggcttc tgatagtttg caactgtaag cagaaaccta 300
catatagtta aaaatcctgg tctttctttg gtaaacagaa ttttacctcc ccggccgg 358

<210> 908
<211> 437
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 215, 218, 395, 405
<223> n = A,T,C or G

<400> 908
ccacggggac tgttattcgc aagctggttt tctagacctg ttagctggaa gcatggtgag 60
caccatttct ggacgctcag gccgtgtcgg gcttcagtca tctccaccac acaggtacag 120
cagcgctttc tggtagtcgc ccttagtgtc ttgctggata aacaaggtca taaataacaa 180
aaaacaaagt aggtcccaga ctccggacca tgcancanga acaggggtgg gaagggttgt 240
tgaatgggaa aaggtggaag ggggctacac catcacctaa aaacagtcac cagaaaaaga 300
atgggctttc aaggaacact tgccccttc cttgaccttc gggccgcgaa ccaccgctta 360
aagggccgaa tttccaacca caccttggcg ggccngttaa ttagnggaat tcccaacttc 420
ggtacccaaa ctttggg                                                437


<210> 909
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 300, 341, 343, 348, 437, 467, 480, 483, 488, 515, 537, 540,
553, 562, 573, 581, 601, 614, 644, 648, 663, 706, 709
<223> n = A,T,C or G

<400> 909
gaaccaccac ctccttactt acctgcctga agaaattctg cctttgacaa taaatcctat 60
accagctttt tgtctgttta tgttacagaa tgctgcaatt cagggctctt caaacttgtt 120
tgatataaaa tatgttgtct tttgtttaag catttatttt caaacactaa ggagcttttt 180
gacatctgtt aaacgtcttt ttgttttttt gttaagtctt ttacatttta ataagttttt 240
gaagacaatc taggttaagc aagaagcaaa agtgccattg gttgccttta attggggggn 300
gggaaaggga aaagaagggg taccttgccc acataagttt ncnttttnaa ctggcctttt 360
cttttatatt aatccgtttt ggcattttgg ttaccttgct accccctgaag tacctttcaa 420
ggaaagaact ggacttnaaa tatttccggg gggtgaagta aagtaanttg gggaattaan 480
aancttgnac cttttcattc tggcagaagg ccaanaaaaa atattttggc aatttgngan 540
cttgactggg ggnaaaaaaa anggggtgcat ggnttcctaa nttgggataa tgggttccca 600
nttttttggga aaanaagaat taaataaaac ttttttacct cggncccnaa caccccctaag 660
ggngaaattc cacacacttt gggggcgttc taatggaacc aacttngtnc caacttgggg 720


<210> 910
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 311, 333, 353, 354, 368, 374, 375, 381, 386, 434, 435, 449,
450
<223> n = A,T,C or G

<400> 910
aaaaaaaatc aattccctca tcactgaaag gacttgtaca tttttaaact tccagtctcc 60
```

```
taaggcacag tatttaatca gaatgccaat attaccaccc tgctgtagca ggaataagag 120
gcaaggtatt agcactaaga aaaacagcaa aattcctgaa caaaatcatc tgtcatttta 180
aaaaagggat aaaaaaacag gctaagtggg tgagcatttt agttaagaaa ggcccagtgt 240
tgttatgcag gactttcccg ttaaaaaaaa aaaaaatcga aatattttaa ctcaagtacg 300
tttaattccc ncagaggagc ttaaaaaaaa aanagggggg tagtaaaatc canntacttt 360
ttttcctngg gcgnnaccac nctaanggcg aattccacac acttggcggc cgttactaat 420
ggatccaact cggnnccaac ttggggaann atgggcata 459
```

<210> 911
<211> 216
<212> DNA
<213> Homo sapiens

<400> 911
```
ggcaggtaaa ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga 60
cctagacaga gatgaactga ggtccttgtt ttgttttgtt cataatacaa aggtgctaat 120
taatagtatt tcagatactt gaagaatgtt gatggtgcta gaagaatttg agaagaaata 180
ctcctgtatt gagttgtatc gtgtggtgta tttttt 216
```

<210> 912
<211> 92
<212> DNA
<213> Homo sapiens

<400> 912
```
atcattttca ataaaagata gggctttttgc tcccttgttc ttggagggac cattattaca 60
tctctgaact acctttgtat ccaacatgtt tt 92
```

<210> 913
<211> 109
<212> DNA
<213> Homo sapiens

<400> 913
```
ccagtgctgc cagccgacct ttctgtggtg atggaaatct ttttctgtgc tgtccaatac 60
agcagccacc gaccactttt gcttattgag cacctcaata tagaggtgg 109
```

<210> 914
<211> 189
<212> DNA
<213> Homo sapiens

<400> 914
```
ttctagtaga ggacgagtct gaaagttgac tgaaaaagca aaagctaatt taattggttg 60
gtaacttgta ccaaaatatt ttacttcaaa atctataaag caggtacagt taaggaataa 120
gtagaactaa ggcttctgct tccttgctgc ttggggtggg agtagggaaa tgttatgatt 180
tgatttaca 189
```

<210> 915
<211> 244
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 915
nnctgatcgt ccttagccag tccaatctct acgaggaact ggcatatgtt cttgcgttgg 60
tcaccctgta gctgaattac ttctccatat tccggatgct caattacaag taccattgca 120
aggcaaactt tttcttaaac gccttcacta gtttcttttt atcgtaatca tcagcgatcc 180
cttggacagt agtaaagggc tttctgcccg ttctctgtga attcttacct cggcccgaac 240
acgc                                                            244


<210> 916
<211> 185
<212> DNA
<213> Homo sapiens

<400> 916
ctatagggct cgagcggccg cccgggcagg tccaagcttg aggaagatgt gtggccttgc 60
ccccaattcc atcagaccaa ggctgcaagt ggccctccat tcgtgtgtgt atttaggggc 120
tggggagggg gaaggggcaa gaacttggac cttgtactac ctcaagacct cgggccgcga 180
acacg                                                           185


<210> 917
<211> 478
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 268, 363, 383, 398, 410, 418, 433, 455
<223> n = A,T,C or G

<400> 917
aaataagagt agaataggcc tttattttgc cgcaaatact tttgattttg cctaaagttt 60
ctaatagttc ataacaagag tctttaaatg agaagtgaca tagaatattt gaggataatg 120
gtccactcca gcattcatgc ttattccatt tgagctatta cacaagaaac tcataccatt 180
cttgggttat tacttggctg tgacgattta attcataata tggctgctca aaattagtgg 240
gcagaaacat catacaccca ttctcctnaa cccatttttc gggctggtac tccatctgaa 300
aacacactta ctggtcatgt cccaacagta catatctctt tctatctatt tccatatctt 360
aanccttgct taaaaacctc ggncgcgaac acccttangg cgaaattcan cacactgngc 420
ggccggtctt agnggatccc aactcggtac caacntggcg taatatgggc atactggt   478


<210> 918
<211> 478
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 301, 329, 332, 341, 403, 415, 417, 423, 433, 436, 456, 460,
476
<223> n = A,T,C or G

<400> 918
```

```
ccagtcaggg atgaggatgg ggcccgaggg tctaaagaag gcactagagg gacagggacc 60
gctttgggtc tcacccagtc aagttcacag tctgccctct tagtgtgagg aaatggggct 120
tgaggtaccc tgtttacttg gcgctgggcc aagccctcca tctcctgaga tggcctcatg 180
tgggaagaag gcggaaggga aaggtcggct ttgggaaata tcctatatgt cttgtcccga 240
aaggcttgtg gcgggggctt ccttgcttcc aagggaatgc ttggggaacg ttgggcgggt 300
nccettctta aatgcttcaa aaaccttcng gnccggcgaa nccaccgctt taaaggggcc 360
gaaatttcca aaccaccact tttggcgggg ccggttacct aantgggaat tcccnancct 420
tcnggtaccc aangcntttg ggcgtaaaat tcattngggn caataaacct tgtttntt   478
```

<210> 919
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 31, 340, 342
<223> n = A,T,C or G

<400> 919
```
aaaaaaatta aagtttccat ttttttttta naataaagat ttagtgcaca aatacagccc 60
aaagccaaca gaaaaattgc tttgccctgt catttcccta agaaagcact gaagttaact 120
caaaataggc tgaaagaaaa aaagcaatcc tctgagttct aggtttcaca aaaggaccac 180
gtgttaaact atgtcatcga tttgatgtgc aagtatgcaa taaatatgta cacatacatt 240
cctatctgct tttacatcat tctaaagtat tcatagtata tcaaagaagg gatttagaaa 300
tgggaaaagg ccataacagt gaaaaggaaa aaaaaagatn cnatagtttt taaacca     357
```

<210> 920
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 277, 284, 349, 396, 420, 430, 462, 494, 542, 553, 569
<223> n = A,T,C or G

<400> 920
```
aaactacctg ttaatataag ggatttgtag tatcagcttg ttgagcaatg actttgaatc 60
tagttttcag tgatcagaag cagcagttat ttgagtgtat gaatggaatg atgatcactg 120
tgctataatg tactgaaacc accatattac agaaatattt actacatatt ttccatctgt 180
agtttctcag aagggctatg gattaagttt gaactgtcaa atccttgcat acttctgtga 240
caccctgcc catttctgt ctttaattaa ccaaggnggg aggngtgact gtcacaactg 300
gtatgttttc cagtaaacta gaagtatgat atttgataat tatatttgna tttcaccacc 360
taaatgtaat ggtgatttct caagaatgaa atgaangcac tacattgaaa tatggtttgn 420
ataaatttgn catggtgaac aacattttaa catggaagg tnccttacta tatgaatttt 480
ggcatggttc aaanaaacaa taaataaaac ctgccccggc ggcgtccaag gcgaattcca 540
cnacttgcgg cgntcaatgg accactcgnc cacttgggaa c                     581
```

<210> 921
<211> 379
<212> DNA
<213> Homo sapiens

308

```
<220>
<221> misc_feature
<222> 279, 294, 349, 363, 366, 371
<223> n = A,T,C or G

<400> 921
tgggcaataa agttttt... 
```

308

```
<220>
<221> misc_feature
<222> 279, 294, 349, 363, 366, 371
<223> n = A,T,C or G

<400> 921
tgggcaataa agtttttggt gccctgaagg gagctgtgga tggaggcttg tctatccctc 60
acagtaccaa acgattccct ggttatgatt ctgaaagcaa ggaatttaat gcagaagtac 120
atcggaagca catcatgggc cagaatgttg cagattacat gcgctcttaa tgggaagaag 180
atgaaagatg cttacaagaa acagttctct caatacataa agaacagcgt aactccagac 240
atggaggaga tgtataagaa agctcatgct gctatccana aaattcaatc tatnaaaaga 300
agccccagaa agaagttaaa aagaagaagt ggaacccgtc caaaatgtnc cttgcttaaa 360
aanaangatc nggtagctt                                            379


<210> 922
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,
424, 439, 446, 461, 469, 473, 499
<223> n = A,T,C or G

<400> 922
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg gcaaagaaac aaatgcttga 120
atctgnaaga aagaagggac aacttttggg caaataatct gctacccttt taattgggaa 180
ataagaatgg gaaaatatga atgcttaatc aaattttta aaaaatcccc ncccgatcc 240
acttaatacn ggaatatttc ttctcaaatt cttctaaccc catcaacatt cttcaagtat 300
ttnaaatact attaattagc acctttgtat tntnaaccaa acaaaacaag ggccncagtt 360
catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420
gannttaaac ctttggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480
tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540
tg                                                              542


<210> 923
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 176, 230, 241, 280, 282, 284, 291, 296, 297, 308, 328, 329,
336, 353, 372, 373, 399, 406, 420, 423, 434, 436, 444, 456,
457, 464, 474
<223> n = A,T,C or G

<400> 923
aaatgcaggg aaactcaatg tttttttaag ttttgttttc cctttaaagc ctttttttag 60
gccacattga cagtggtggg cggggagaag ataggaaca ctcatccctg gcgtctatcc 120
cagtgtgtgt ttaacattca cagcccaaaa cccagatgtg tcttggaaaa ccttgncaag 180
gcattcctat tcaccatcgt gtttgcaaag gttaaaacaa aaccaaaaan ccccaaaatt 240
```

```
naaaaccaaa aaaaccaaaa accccagaaa aaaaaaaaan tnaccctttg nttttnnttt 300
caaccccntc aaaaggggaa caacttcnnt tgcctngggg ttcccaagga acntcttggt 360
taacctggcc cnnaaaaact gggttttgtc ccaccattnc aaaaantggg ggggggtttn 420
aangcttggg gggntngctt tgtnggaacc tcggcnngaa cccncctaag gggngaattc 480
cac                                                                483
```

```
<210> 924
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 212, 229, 246, 251, 253, 269, 282, 299, 304, 320, 322, 325,
335, 350
<223> n = A,T,C or G

<400> 924
cctgagggag atcagttggc aacccaagta gaaggggccc atgctgctct tctggaacaa 60
gggtctgagc aggtgctgaa ggaccccctc ggtggagttt gaaatgtagc tgagcccttg 120
cccatatctg gtgaaatact ggaagaattg gaagaatggg tgaaatttga agtgtgaagg 180
ggtctttcaa gggtgggtcc cccatgggct gnttgtggct ttttgacana agaaggcaag 240
aaatgntggt ngnttgcttt ggaagttgna agaagggtta tnttgaccag gtcatttgna 300
accngtaaag gaaaagcttn cnttntccaa aaagnagggg ccaaaacttn cccggcggcc 360
cttcgaaaag gcgaattcc                                                379
```

```
<210> 925
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 270, 291, 294, 296, 324, 329, 395, 402, 424, 428, 442, 446,
456, 482, 483, 495
<223> n = A,T,C or G

<400> 925
gtggccgcaa agaagacgaa aaagtcgctg gagtcgatca actctaggct ccaactcgtt 60
atgaaaagtg ggaagtacgt cctggggtac aagcagactc tgaagatgat cagacaaggc 120
aaagcgaaaa ttggtcattc tcgctacaac tgcccagctt ttaggaaatc tgaaatagag 180
tactatgcta tgttggctta aactggtgtc catcctacag tggcaattat attgaactgg 240
gcacagcatg cggaaaatac tacaaaatgn gcacactggc tatcattgat ncangngact 300
ctgacatcat tagaagcatg ccanaacana ctggtgaaaa gtaaacctttt tcacctacca 360
aatttccctg caaaccttaa acctgcaaaa ttttncttta tnaaatttgc ttgtttacct 420
gccnggcngg cgtcgaaagg cnattncaca cacttngcgg cgtacttatg gatccagctc 480
gnnccaactt ggcgnaatat gggcatactg g                                  511
```

```
<210> 926
<211> 361
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> 265, 281, 306, 318, 326, 333, 342, 354
<223> n = A,T,C or G

<400> 926
ctgtggggct cggcccccaac cccggcccca ccccggcctg gcgctgtctg agaagagggg 60
atctgaggga agatccaggg atcaggcagg atagggatgg ggcaggacat gaagcttggg 120
ggatgcagaa ggttaggtgg gaagaaggct acccggaagg aaagaaatga aggcttggta 180
ggggggaggg aagaaaagaa gaaccaaaga agaagaagaa ggaagcaatt tggggggcca 240
gaccttgccc gggccggccg cttcnaaaag gccaattcca ncacacttgg ccggccgtta 300
cttatngaat ccaacttngt acccancttg gcnaatcatt gncatagctg tttncttggg 360
a                                                                     361

<210> 927
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 158, 310, 320, 331, 335, 357, 366, 369, 405, 410, 425, 436
<223> n = A,T,C or G

<400> 927
aaactacctc aaaacacttt cccatgagtg tgatccacat tgttaggtgc tgacctagac 60
agagatgaac tgaggtcctt gttttgtttt gttcataata caaaggtgct aattaatagt 120
atttcagata cttgaagaat gttgatggtg ctagaaanaa tttgagaaag aaaatactcc 180
tggattgagt tgtatcgtgg ggggtatttt tttaaaaaaa tttgaattaa cattcatatt 240
tttccattct tatttccaaa ttaaaagtat tgccagaata ttttggccaa aagttggtcc 300
tcttctttan aatcaagcan ttggtctttg ncaanctcat tttcatcttc tttcatnggt 360
ccacanaanc tttgtttctt gggcaaagca gaaaaattaa attgnacctn ttttggatat 420
ttganaaggt taaatnaatt gggaaaaaaa tgaaataaag catggttggg ttttccaagg 480
aaaaaa                                                                486

<210> 928
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 273, 305, 371, 391, 404, 414, 422, 428
<223> n = A,T,C or G

<400> 928
cccagcttct cgagaggctg aggcaggaga atggtgtgaa cctgggaggc ggaacttgca 60
gtgagccaag atcgcgccct gcactccagc ctgggtgaca aagcaagact ccgtctcaaa 120
agaaaaaaaa gaaaatattt gtaattaaat gaaaatgaaa acacagtata tcaaaatttg 180
tggggatcca gcttaatcca gtggtttta aaggaaactt cagctttaa aagaaaaggt 240
cttaaaatca agtggaacct taccatttct tgnccttat taagaaaagg aagaaaatct 300
taaantttgg aaagaagaaa atttatttaa aggaagcctt aaaaggttaa attggaagaa 360
ttggaaaaaa nccaaggggc cccgggggttg naaagggtgg ggcnttcaac cttnccttgg 420
tnaaattncc cccaaccaac c                                               441

```
<210> 929
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 169, 180, 183, 190, 286, 302, 367, 377, 380, 399, 411,
425, 428, 446, 447, 458, 461, 462, 471
<223> n = A,T,C or G

<400> 929
cagggtttgg gtacnattcc gggtcatccg cagaaattcc tcatagatgg caactcttgt    60
ctactctccg agccagtggc gagaagttac acagggagtc caccccggtg tggtgcctgt   120
tggggacaga cctgaatgtt gaaacttgac agtcagaaaa ataactctng atgctgctgn   180
ttnggaagan ttggttgagc ccatcctcaa tattcctttt gttcctctgg taattggtgg   240
tgcctggctg ggctttgtcc tgggaatatg gtaggttggt gatggngaaa ttcatgtaaa   300
antgctgggt gctggaactg cttgttggtt gataaactga tgactccatt tctgcacatg   360
gatgccncca actggtnggn ggagcccacc aatgacctng gccgggaccc nctaagggcg   420
aattncanac actgggggcc gtctanngga tccaactngg nncaacttgg ngaatatggg   480


<210> 930
<211> 194
<212> DNA
<213> Homo sapiens

<400> 930
aaaaggggggt gggctagctt gaaacaagct tacagtggcg tgaagcatag tggcgtgaaa    60
gcaaggatac agaggcagca caaaggcaat taattcatca aattgtggca ggtgcataat   120
tcaggattac atactgtgtc ggaattgatg ggttcttggt ctcactgact tcaagaaaga   180
agcacctgcc cggg                                                       194


<210> 931
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 211
<223> n = A,T,C or G

<400> 931
cgaggtccac agctccctct tgcgctgtat gacatcgtcc tcaaaccact cggcctgatt    60
ggaaacccag aacatagcca cagggaaagt gagggaaaat tatcatccga atatctccag   120
tttaccccat ctacctgccc ggcggccgtc gaaggcaatt cacacacttg cggcgtctat   180
gatcgactcg acaacttgct atatgctact nttctgga                            218


<210> 932
<211> 107
<212> DNA
<213> Homo sapiens
```

<400> 932
aaaaattagt ctgtactcaa atgcatagtt aaaaaatgaa gcgagatggc agtttgtgca 60
gtaatatctg cccttcgaag ttcatgcaac caactaatgc aattttt          107

<210> 933
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 235, 242, 259, 279, 297, 302, 310, 315, 324
<223> n = A,T,C or G

<400> 933
ctgcagccca tcctcccggc tccctcctag tctgtcctgc gtcctctgtc cccgggtttc 60
agagacaact tcccaaagca caaagcagtt tttcccccta ggggtgggag gaagcaaaag 120
actctgtacc tattttgtat gtgtataata atttgagatg ttttaattat tttgattgct 180
ggaataaagc atgtggaaat gacccgaaaa aaaaaaacctt ccccgggcgg gccgntcaaa 240
angggcaaat tccaacacnc ttggcggccg gttactaang ggatcccaac tcgggancca 300
antttggggn aaaanattgg gcanaacttg tttcccctgg          340

<210> 934
<211> 148
<212> DNA
<213> Homo sapiens

<400> 934
tatttgccca aagttgtcct cttcttcaga ttcagcattt gttctttgcc agtctcattt 60
tcatcttctt ccatggttcc acagaagctt tgtttcttgg gcaagcagaa aaattaaatt 120
gtacctattt tgtatatgtg agatgttt          148

<210> 935
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 404, 480, 530, 531, 534, 580, 589, 594, 597, 602, 606, 609,
615, 620, 621, 628, 633, 638
<223> n = A,T,C or G

<400> 935
aaaaggcttc ttgtgattaa aagagaaaat tctgaaaacc acagcaacat atctatgctg 60
tttccaagca tacaaagaga attagaacat ctgagacaac tatggctcca aacaatcaga 120
agaagggtta gttttctttt ctcctattga taatgtcaaa atgatgtgtc atctattgag 180
ccatactatg gagtagcagg ctactagtta gatgccttcc ccagttaaca gcacatatcc 240
aaaggacagc tagccaagtg ggaaggtggt aggtaaatgc tcatctgggc taggcaacca 300
ccacagcaag caggtccct ctcagcctgg cttggcaatg agctgcttct gagaagccac 360
agctatctgt ggttgagagc tcactccctt gaggcattgc aganaacaag agacatgggc 420
tgtggggcag cttttcaata aaactgagag gcacatcaac atggcacttg tatgtgtccn 480
cttaaggatt atgataaaca tgccaatttc caaaaggtaa attattaaan naanatttgg 540
gaccttgccc cgggcgggcc cgttaagggc gaaattccan caccccttgng ggcngtncttt 600

```
antggnatnc caacntcggn nccaaacntt ggnggaanca tgggca                      646
```

```
<210> 936
<211> 152
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 61, 95, 98, 142
<223> n = A,T,C or G

<400> 936
ctgattttat ttccttctca aaaaagntat ttacagaagg tatatatcaa caatctgaca 60
ngcagtgaac ttgacatgat tagctggcat gattnttnct ttttttcccc caaacattgt 120
ttttgtggcc ttgaatttta anacaaatat tc                                 152
```

```
<210> 937
<211> 393
<212> DNA
<213> Homo sapiens

<400> 937
aaaaaaactt tatataacaa tctgcataaa tctcataact gggagcacta tacccaggag 60
gttttcttac cagaaaagtt catatcctct ttgcaatttt cttttaattc tacaggaaag 120
aggaaattat ggttgggatg gatgaaaaag gaccacatac tggtccagga ggtaaagtat 180
cttattttgc caactgtttg ggcatctgtg tgcccatttt ttatttggaa gatctaaatt 240
aattttgttg ctcaaaaatc aacctttaca atcttacaca tttacctctt tcaagatagt 300
gcctgagcct agagggaaga tgcttatata gtttttagcag tggagcatta gcattgaaaa 360
tagatcgggc ccagtgggat tctgaatagt ttt                                393
```

```
<210> 938
<211> 439
<212> DNA
<213> Homo sapiens

<400> 938
aaaacttggc tgggattctc aacatatctt atcaataata catgtataca atccaaaagg 60
tgcagtggct tcttcattct gttccagaat ggatcccgtg atttgaacaa ctgatcataa 120
acttctagta gtctaggtaa tggtactcca atttcattca ttgtctgtat tacgaagccc 180
acatcccagt tcaaagtaca aacctgctgt tctaaaaact gtacaataaa atctaaagga 240
aagaagcgtg gtgtgccagc ataaattttg ccaaggagaa caatcttgag actaagagca 300
tgcattctat ccgaggagct caatgtcaca ctgtcactca attctttctc tatgatatct 360
tgccaaagtg tctgcaccaa tataggtct gaataacccg gcacaatgaa ttattgcaag 420
tttgcactct tgcaagttt                                                439
```

```
<210> 939
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 409, 467, 479, 483, 497, 514, 519, 537, 538, 556, 557
```

```
<223> n = A,T,C or G

<400> 939
ctggaacagt atatgaagac ctgaggtata agctctcgct agagttcccc agtggctacc 60
cttacaatgc gcccacagtg aagttcctca cgccctgcta tcaccccaac gtggacaccc 120
agggtaacat atgcctggac atcctgaagg aaaagtggtc tgccctgtat gatgtcagga 180
ccattctgct ctacatccag agccttctag gagaacccaa cattgatagt cccttgaaca 240
cacatgctgc cgagctctgg aaaaacccca cagctttaa gaagtacctg caagaaacct 300
actcaaagca ggtcaccagc caggagccct gacccaggct gccagcctgt ccttgtgtcg 360
tcttttaat ttttcttaga tggctgtcct ttttgtgatt tctggatang gactctttat 420
cttgagctgg gggattttg gtttggtttt gctttttacc ttgcccnggc ggccgttcna 480
aangggcgaa attccancac acttgcgggc ggtnactant ggaatcccaa cttcggnncc 540
caaacttggg cgtaannatt gggcataa                                   568


<210> 940
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 360
<223> n = A,T,C or G

<400> 940
gcgaggagat cgccattatc cccagcaaaa agctccgcaa caagatagca ggttatgtca 60
cgcatctgat gaagcgaatt cagagaggcc cagtaagagg tatctccatc aagctgcagg 120
aggaggagag agaaaggaga gacaattatg ttcctgaggt ctcagccttg gatcaggaga 180
ttattgaagt agatcctgac actaaggaaa tgctgaagct tttggacttc ggcagtctgt 240
ccaaccttca ggtcactcag cctacagttg ggatgaattt caaaacgcct cggggacctg 300
tttgaatttt ttctgtagtg ctgtattatt ttcaataaat ctgggacaac agcaaaaaan 360
aaaaaaaaaa a                                                     371


<210> 941
<211> 174
<212> DNA
<213> Homo sapiens

<400> 941
aatggcggag ctgggcgaag ccgatgaagc ggagttgcag cgcctggtgg ccgccgagca 60
gcagaaggcg cagtttactg cacaggtgca tcacttcatg gagttatgtt gggataaatg 120
tgtggagaag ccagggaatc gcctagactc tcgcactgaa aattgtctct ccag       174


<210> 942
<211> 256
<212> DNA
<213> Homo sapiens

<400> 942
ctttgtggac attggcccag tctgtttcaa ataaatgaac tcaatctaaa ttaaaaaaga 60
gagaaatttg aaaaaacttt ctctttgcca tttcttcttc ttcttttta actgaaagct 120
gaatccttcc atttcttctg cacatctact tgcttaaatt gtgggcaaaa gagaaaaaga 180
aggattgatc agagcattgt gcaatacagt ttcattaact ccttcccccg ctcccccaaa 240
aatttgaatt tttttt                                                256
```

<210> 943
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 443, 507, 514, 549, 552, 553, 599
<223> n = A,T,C or G

<400> 943
ctgtgtgtgc atagtaaagc aggagatccc cgtcagttta tgcctctttt gcagttgcaa 60
actgtggctg gtgagtggca gtctaatact acagttaggg gagatgccat tcactctctg 120
caagaggagt attgaaaact ggtggactgt cagctttatt tagctcacct agtgttttca 180
agaaaattga gccaccgtct aagaaatcaa gaggtttcac attaaaatta gaatttctgg 240
cctctctcga tcggtcagaa tgtgtggcaa ttctgatctg cattttcaga agaggacaat 300
caattgaaac taagtagggg tttcttcttt tggcaagact tgtactctct cacctggcct 360
gtttcattta tttgtattat ctgcctggtc cctgaggcgt ctgggtctct cctctccctt 420
gcaggtttgg gtttgaagct gangaactac aaagtgatga tttctttttt atctttatgc 480
ctgcaatttt acctagctcc actaggngga tagnaaaatt atcttatgtt ccctcaaaaa 540
aaactcggnc gnnacccct aagggcgaat ccaccccttg cggccgtata tggatccanc 600
tcggaccaac ttgggaatat ggcataac 628

<210> 944
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 444, 473, 494, 500
<223> n = A,T,C or G

<400> 944
ccataatggt ttgttggggg tgagggaaaa aacccacagg gaccagaatg ttttgttgtt 60
cttttgtttt cttttttgta ccaaagtcaa ctgcacgtgt tttatatttt taagagatcg 120
taggcaatta gagatcgaag cctcctatct ccacatctct gaagaagttg aggggtgggg 180
gagagaatga cttctgcctt catctgcagt aacgggggga cctatactga cctcttcccc 240
agccatttag aaacaagttc tagggtgggt tggaaaatct ccaagagccc tgacctcatc 300
ttccacctca gcaaccatga cctgaaacct cagcgtgaat ttgggggatt tttcagtgga 360
acccttgccc ccaaatgtcg accagccccc aaatgtcgaa gaattttctt cttgccaatt 420
ttgttggtta cctgcccggg cggncgctcg aagggcgaat ccagcacac ttngcggccg 480
tctagtggat ccanctcgtn ccaacttggc gtatct 516

<210> 945
<211> 345
<212> DNA
<213> Homo sapiens

<400> 945
ctgctacttg aaccctaatc cctgggtgga tgtggtctct tgtaacttaa gagcaaatgt 60
ttgtgatgac atgcacgggt gggcagaggt tgaaaagaac aggggtctac ggaggagcca 120
ggccagccac gtgagaccct tctttctaag ttggcttctt gtccattcct ggggattggg 180

```
gaaagaacga cagaacttac cttccatctt ccttctcaca agcagtgttt tgggtgtccc 240
caaaaggagg aggcaagaac tcaggtgtgg ggtggagggg atgggctgg ctaaagaagt 300
gagtatgacc ccagaggcca gagagggcag ggagagaatg cctgg            345
```

```
<210> 946
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 498, 528
<223> n = A,T,C or G

<400> 946
tggaaatgta aagaaggccc tgaagctgat ggggtcaaat gaaggtgaat tcaaggctga 60
aggaaatagc aaattcacct acacagttct ggaggatggt tgcacgaaac acactgggga 120
atggagcaaa acagtctttg aatatcgaac acgcaaggct gtgagactac ctattgtaga 180
tattgcaccc tatgacattg gtggtcctga tcaagaattt ggtgtggacg ttggccctgt 240
ttgctttta taaaccaaac tctatctgaa atcccaacaa aaaaaattta actccatatg 300
tgttcctctt gttctaatct tgtcaaccag tgcaagtgac cgacaaaatt ccagttattt 360
atttccaaaa tgtttggaaa cagtataatt tgacaaagaa aaatgatact tctcttttttt 420
tgctgttccc caaatacaat tcaaatgctt tttgttttat tttttaccc aattccaatt 480
tcaaaaagtc tcaatggngc tataataaat aacttcaacc tctttatnca aaaaaaaaaa 540
aaaaaaaaaa acc                                     553
```

```
<210> 947
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,
628
<223> n = A,T,C or G

<400> 947
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcaggtcttt atctagaaag 420
acttgctcca ccaggctggg gtccaattg gaggagaaca atgccttgac agtgaccaac 480
accggagtcc atcntcaatt tggtgaccag gcanaaaccg gaatgnggca ttgtantttg 540
actgnctttg tanantgggg gngaacacct tcggccgcga accacccttaa ngggaaatt 600
tccancccct tggggggcgg ttnctanngg gatcc             ·635
```

```
<210> 948
<211> 271
<212> DNA
<213> Homo sapiens
```

<400> 948
gaagattccc gagagtaaat catctttcca atccagagga acaagcatgt ctctctgcca 60
agatccatct aaactggagt gatgttagca gacccagctt agagttcttc tttctttctt 120
aagccctttg ctctggagga agttctccag cttcagctca actcacagct tctccaagca 180
tcaccctggg agtttcctga gggtttctc ataaatgagg gctgcacatt gcctgttctg 240
cttcgaagta ttcaataccg ctcagtattt t 271

<210> 949
<211> 158
<212> DNA
<213> Homo sapiens

<400> 949
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcacctt agaaaaattc acaagtcc 158

<210> 950
<211> 89
<212> DNA
<213> Homo sapiens

<400> 950
ctgaacagag aaaggaatta aaacgcttta attaaaaaat cacgagtgga tgataaagtg 60
tgtagaaact gaaaatttac aaactattt 89

<210> 951
<211> 146
<212> DNA
<213> Homo sapiens

<400> 951
ctgggggccc tcaccctgca tcgtcttgcg tctcttggca ggcacaccac tgaggtaggc 60
atcactcaga gggggctgcg gtttcacctt ccgctggctc tgaatgtcct gctggataat 120
agggacccat tctgggggga ctgcag 146

<210> 952
<211> 223
<212> DNA
<213> Homo sapiens

<400> 952
ctgatcgtcc ttagccagtc caatctctac gaggaactgg catatgttct tgcgttggtc 60
accctgtagc tgaattactt ctccatattc cggatgctca attacagtac cattgcaggc 120
aaactttttc ttaaacgcct tcactagttt cttttttatcg taatcatcag cgatcccttg 180
gacagtagta agggtcttcc tgccgtttct ctgttgaatt ctt 223

<210> 953
<211> 451
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 416
<223> n = A,T,C or G

<400> 953
ctgaacagcc aaatgcatgg tgcagttgac agcaggtggg aaatggtatg agctgagggg 60
ggccgtgccc aggggcccac agggaaccct gcttgcactt tgtaacatgt ttactttca 120
gggcatctta gcttctatta tagccacatc cctttgaaac aagataactg agaatttaaa 180
aataagaaaa tacatgagac cataacagcc aacaggtggc aggaccagga ctatagccca 240
ggtcctctga tacccagagc attacgtgag ccaggtaatg agggactgga accagggaga 300
ccgagcgctt tctggaaaag aggagtttct aggtagagtt tgaaggaggt gagggatgtg 360
aattgcctgc agagagaacc ttgtttttgtt ggaaggtttg gtgtgtggag atgcanaagt 420
aaaagtgtga gcagtgaatt cagcgagagg c                            451

<210> 954
<211> 322
<212> DNA
<213> Homo sapiens

<400> 954
aaattgcatt cttttcaaat ttataagtct aagaaaacaa aaccaaataa aagaagccat 60
ttcaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120
aggtaatact ctcgacccca ttcttctaac acagaaaact ttctcaggta aactgtggg 180
ttatgagaat cccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300
cgccagtaaa tcttcaaggg tg                                       322

<210> 955
<211> 226
<212> DNA
<213> Homo sapiens

<400> 955
ccactgcctc tgcagtatca aagagaatta gtctttccac aaaacaaatt ttaacagcca 60
atctctggat ttctgtagtg gctttagtca ggcatattta tcatcatatt agcagtgttc 120
agttcctgcc caacatcttt atttaatccc aattcagtgc ttatggatgc tcagctcatg 180
tttaatgttg caagccccat cttagcccat cttaattcaa acagaa         226

<210> 956
<211> 232
<212> DNA
<213> Homo sapiens

<400> 956
gatgatgtgg ctttgaagaa ctttgccaaa tactttcttc accaatctca tgaggagagg 60
gaacatgctg agaaactgat gaagctgcag aaccaacgag gtggccgaat cttccttcag 120
gatatcaaga aactagactg tgatgactgg gagagcgggc tgaatgcaat ggagtgtgca 180
ttacatttgg aaaaaaatgt gaatcagtca ctactggaac tgcacaaact gg        232

<210> 957
<211> 247
<212> DNA
<213> Homo sapiens
```

<400> 957
```
ggcccaggcc gccacctgca accacactgt gatggcccta atggcttccc tggatgcaga 60
gaaggcccaa ggacaaaaga aagtggagga gcttgaggga gagatcacta cattaaacca 120
taagcttcag gacgcgtctg cagaggtgga gcgactgaga agagaaaacc aggtcttaag 180
cgtgagaatc gcggacaaga agtactaccc cagctcccag gactccagct ccgctgcggc 240
gccccag                                                          247
```

<210> 958
<211> 400
<212> DNA
<213> Homo sapiens

<400> 958
```
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgctttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatcaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc tttttctata cttgcttgca 300
ttttttgcttt aatgtcttct acagaactag gtccttttgg tgttttagga gtttttttcct 360
gtttcttgaa ggattcttgt cctttacctc gccgcgacca                       400
```

<210> 959
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 523, 550, 556, 582, 610, 617, 620
<223> n = A,T,C or G

<400> 959
```
gagcgccgct ccggctgcac cgcgctcgct ccgagtttca ggctcgtgct aagctagcgc 60
cgtcgtcgtc tcccttcagt cgccatcatg attatctacc gggacctcat cagccacgat 120
gagatgttct ccgacatcta caagatccgg gagatcgcgg acgggttgtg cctggaggtg 180
gaggggaaga tggtcagtag gacagaaggt aacattgatg actcgctcat tggtggaaat 240
gcctccgctg aaggccccga gggcgaaggt accgaaagca cagtaatcac tggtgtcgat 300
attgtcatga accatcacct gcaggaaaca agtttcacaa aagaagccta caagaagtac 360
atcaaagatt acatgaaatc aatcaaaggg aaacttgaag aacagagacc agaaagagta 420
aaacctttt atgacagggg ctgcagaaca aatcaagcac atccttgcta atttcaaaaa 480
ctaccagttc tttatttggt gaaaaacatg aatccagatg ggnttggttg ctctattgga 540
ctaccctgan gatggngtga ccccatatat taatttcttt anggatggtt taaaaatggg 600
aaaatgttan caaatgnggn aattattttg gg                              632
```

<210> 960
<211> 206
<212> DNA
<213> Homo sapiens

<400> 960
```
cgctcagacc ctgtcttccc taccactggg tacagatgga tgcggcgaag tcaagagaac 60
caatggcaga aggaggagtg tagagcttac atgcagatgc tgaggaagtt gttcacagca 120
atccgtgccc tgttcctggc tgtctgtgtc ttgaaggtca ttgtgtcctt ggtttccttg 180
ggagtaggtc ttcgaaactt gtgtgg                                      206
```

<210> 961
<211> 204
<212> DNA
<213> Homo sapiens

<400> 961
ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctctggc 60
ttcccaccct tctgttctga gatggggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gccc 204

<210> 962
<211> 190
<212> DNA
<213> Homo sapiens

<400> 962
aaatgaagtg attctaagat ttggtttggg atcaatagga aagcatatgc agccaaccaa 60
gatgcaaatg ttttgaaatg atatgaccaa aattttaagt aggaaagtca cccaaacact 120
tctgctttca cttaagtgtc tggcccgcaa tactgtagga acaagcatga tcttgttact 180
gtgatatttt 190

<210> 963
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 387, 452, 458, 473
<223> n = A,T,C or G

<400> 963
aaagttaact ggataactaa agaaatgatg cagacatttt aatccagtgc tataggtagg 60
ctcacagaat tagacccaaa ggatttgtaa aaacaaaaat ggaaacagta tagctacaat 120
gtcaaagtca ggaaagaaga aaatttactt ccgtattcaa ggattacaga gctacaaatg 180
cagtctgtgt gttttttgttt gtaatgagat ggataagtac atcagactag atacaacatg 240
cagaatgttt tcctgaactt atccggaaat tccaaagaaa acatcatgaa acagcttaca 300
aaaaaaaaaa tatatgccct agttattcac cctgcttcaa cactgtcaac gtaaaggcag 360
aaataaagca agctatcaat acctcanaac tactgatata agacatcaaa tttctaaatc 420
agtgtattaa aaaagtgaac acttcctctt tnttttntt ctacattaac tanaacatgt 480
tacctcggcc gcacc 495

<210> 964
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 355, 363, 378, 394, 409, 412, 429, 447, 451, 454
<223> n = A,T,C or G

<400> 964
```
ctgggtgaca aagtgctcac agttcctgct cacaatactg tacttcatct tctgaccaac 60
catctccttc gcagaactga tgatcacctc cacgggccgt ggttggtact catggtccaa 120
gctgttgttg acccgatagc aacagcctcc caccacatct tccaggcgct cccgtttcac 180
ctctgcactg ttgctcagga ctgagaagac actggaggag ccagccccgg ggtactcact 240
tggaggagcc agatggatca cgtagccatc tcctatatac agggcccagt gctcatagcc 300
aaggcggaaa atctcaatca ggtctccagg tttgggctct tggtgtgggc gaaanccatc 360
tcnaaaccca aaccttgncc gggcgggcgg ttcnaaaagg gcgaaattnc ancacacttg 420
gcgggccgnt acttaattgg gatcccnagc nttnggtacc aacctttggg cg         472
```

<210> 965
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606
<223> n = A,T,C or G

<400> 965
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccacccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggt aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangcttg gggtccaaat tggaggagaa caatgncttg acaagtgacc 480
aacacngagt ccatcgtcaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgcctttttag aatgngggac cttgcctgga tgncctcaca gggngatgnc tttgaagatn 600
gggggntgaa tactgaggtc ca                                         622
```

<210> 966
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 13, 14, 27, 37, 39, 54, 56, 69, 73, 87, 88, 103, 104,
105, 172, 174, 190, 191, 192, 201, 222, 229, 246, 250
<223> n = A,T,C or G

<400> 966
```
tggtcacnct aannaccaca ggtgttncac ctgtganana gggtcatatg caantntgct 60
gatgaatant gancaattat tgaaccnnta acattttatt gcnnnctggg tggaatctca 120
caattagaga ttatttcccc ttttcttgga tatggcattg ctggtggtgc ancnatggag 180
agggtttcan nncccactgg ntcaaaagtg aggggcaaa angaacctna atgtgtgtgt 240
gtgtgngtgn gtctg                                                 255
```

<210> 967
<211> 337
<212> DNA

<213> Homo sapiens

<400> 967
ctgagctgag gaaggtgacc actgagaacc cattcaacct gctgagcagg ctgggcagaa 60
aggagcagga cttgggacag acgactgaag atgcagagac cccatgggcc ccacccctgg 120
gccttcctcc catgtggctg caggccatcc tctctgatca ctgctgggtt gcttcctggt 180
taaagggcca gaaggtgaag gagatgggct tttcaggcat cagaatgagg ttgaatgtgg 240
tgcccacatc gctgaggtgt tggatttcaa ctctgaagtt ctccagcata ttgatgagga 300
agatggtcat ctctagctca gcgatccgcc gtcccag 337

<210> 968
<211> 285
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11
<223> n = A,T,C or G

<400> 968
ctgaaagatt nactgcctga acatctgaaa ttgacaactc tgggacatct ggagaaagct 60
gtagtcttgg aattaacttt gaaacactta aaagctttaa ccgccttaac cgagcaacag 120
catcagaaga taattgcttt acagaatggg gagcgatctc tgaaatcgcc cattcagtcc 180
gacttggatg cgttccactc gggatttcaa acatgcgcca aagaagtctt gcaatacctc 240
tcccggtttg agagctggac acccagggag ccgcggtgtg tccag 285

<210> 969
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 418, 421, 441, 464, 481, 487, 499, 510, 512, 517
<223> n = A,T,C or G

<400> 969
atggctttta aggataccgg aaaaacaccc gtggagccgg aggtggcaat tcaccgaatt 60
cgaatcaccc taacaagccg caacgtaaaa tccttggaaa aggtgtgtgc tgacttgata 120
agaggcgcaa aagaaaagaa tctcaaagtg aaaggaccag ttcgaatgcc taccaagact 180
ttgagaatca ctacaagaaa aactccttgt ggtgaaggtt ctaagacgtg ggatcgtttc 240
cagatgagaa ttcacaagcg actcattgac ttgcacagtc cttctgagat tgttaagcag 300
attacttcca tcagtattga gctaggagtt gaggtggaag tcaccattgc agatgcttaa 360
gtcaactatt ttaataaatt gatgaccagt tgttaaaaaa aaaaaaaaaa aaaacttncc 420
nggggggccg ttcaaagggg naatttcccc ccacttgggg gccntttta gggaatccga 480
nctgggncca accttgggna aataatggcn anactgnttc 520

<210> 970
<211> 162
<212> DNA
<213> Homo sapiens

<400> 970

```
aaattttttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcatcttaag tttccaaata ctttttgaagg ctaatgcagc ag                     162
```

<210> 971
<211> 254
<212> DNA
<213> Homo sapiens

<400> 971
```
aaaaagtatt ctagcacaag attttttctgt aaactagatt atgttgtaaa cttttttttcta 60
aatcttgtag gagtgtcggt tgttaagaac tagagcttat tcctattcca aatctatctt 120
gcgctcctga aaagctgcag aaaggcactt gaaagctgtt tctttaagat atggatttct 180
ttttttattct tgctggtaat atattgctgc actgagtgtg tgcaatttttt attcaaggtc 240
atcgtgatgc tgag                                                     254
```

<210> 972
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 290, 291
<223> n = A,T,C or G

<400> 972
```
tggcagcctc agctctgtgc ccctcaccct gctccctctc gccccttctc tcccacccct 60
tccttctgag ccgggccctg gggattgggg agccctcttg ttcctgatga gggtcagggc 120
agatgaaagt gttgaaaaga ggtcaaatgg aaacaaaggc tcttacccgc tgtatttcag 180
acaggactga ggcacttagc cgaggagcca ctgggttatt agattaattt caaaagagct 240
tttacaagtt gcttaattcc tttttttttt tttttttttt aaaaaccccn naacccc     297
```

<210> 973
<211> 270
<212> DNA
<213> Homo sapiens

<400> 973
```
agctgatcca gaaggagctc accattggct cgaagctgca ggatgctgaa attgcaaggc 60
tgatggaaga cttggaccgg aacaaggacc aggaggtgaa cttccaggag tatgtcacct 120
tcctggggggc cttggctttg atctacaatg aagccctcaa gggctgaaaa taaataggga 180
agatggagac accctctggg ggtcctctct gagtcaaatc cagtggtggg taattgtaca 240
ataaattttt tttggtcaaa ttcaaaaaaa                                    270
```

<210> 974
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 383, 494, 521, 529, 530, 566, 591, 651, 667, 679, 680, 688,
699, 711, 712

<223> n = A,T,C or G

<400> 974
```
aaactcacat aggtaggtat ctttatagtt gtagactatg gaatgtcagt gttcagccaa 60
acagtatgat ggaacagtga aagtcaattc agtgatggca acactgaagg aacagttacc 120
ctgctttgcc tcgaaaatgt catcaatttg taattttagt attaactctg taaaagtgtc 180
tgtaggtacg ttttatatta tataaggaca gaccaaaaat caacctatca aagcttcaaa 240
aactttggga aagggtggga ttaagtacaa gcacatttgg cttacagtaa atgaactgat 300
ttttattaac tgcttttgcc catataaaat gctgatattt actggaaacc tagccagctt 360
cacgattatg actaaagtac canattataa tgccagaata taatgtgcag gcaatcgtgg 420
gatgtctctg acaaagtgtg tctcaaaaaa taatatactt ttacattaaa gaaaatttaa 480
tggttctctg gagntggggc tcttggcttt cagagtttgg ntaatcaann gttgattcta 540
gatgataacc ttaaatggac cactcntgaa tgagacttaa ttttggcttt naaaattact 600
ggcttaaatc agtttattaa atctgaattt accttgcccg ggggcccttc naaggggaat 660
tcccccnctt gcggccgtnn aatggatncc actcggccna acttgggggt nn      712
```

<210> 975
<211> 266
<212> DNA
<213> Homo sapiens

<400> 975
```
aaatttgacc aaaaaaaatt tattgtacaa ttacccacca ctggatttga ctcagagagg 60
accccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggcccca ggaaggtgac atactcctgg aagttcacct cctggtcctt 180
gttccggtcc aagtcttcca tcagccttgc aatttcagca tcctgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctcct                                    266
```

<210> 976
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 322, 452, 484, 488, 530, 535, 539, 576, 578, 590, 593, 605
<223> n = A,T,C or G

<400> 976
```
aaaattaaaa ttaaatcccc tccctccagc acacacaaaa aaaacacaca acattagagg 60
aatgccaaaa atattctcta ttacaacttt tttaaattct ttaattaagg cattggtccc 120
aacggtgcac atagattaag ggattttgct tccttctgaa ctagatcatt tgttagaggc 180
ttcagaaaaa gaaaattagc ttgaaatcta gtctgggaaa ttgggggcag ggaatgaaaa 240
agttggtctc ttgtttctcc acgatacaca ggcttcccat ctaaagtcat gcttaactaa 300
aagggaaaaa aaatgaacca ancaaaagta tatagagtag ccgtgacatt tgcattattt 360
tctagacttt acatttgcct gcaacaggca taacatgaaa ctccagaggg aatttggatt 420
gatagggaat gttcacataa acacccacca gnggctaact gttacacaac atttcaagta 480
ttcnaaanaa ctgcctggag acaaaaagcg aagggtcccc agacccattn ccccntccng 540
ttaggtcatg caccaggatg gtcccttccc aggtcnantg gaaatcaaan gcntgaaatg 600
gatcnggggc aggggaaacc tcggccc                                    627
```

<210> 977
<211> 390
<212> DNA

<213> Homo sapiens

<400> 977
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg 390

<210> 978
<211> 375
<212> DNA
<213> Homo sapiens

<400> 978
ctccaggcgc cctcggccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtaggt ggtagggaca cagatgaccg acctggtcac tcctcctgcc 120
aacattcagt ctggtatgtg aggcgtgcgt gaagcaagaa ctcctggagc tacagggaca 180
gggagccatc attcctgcct gggaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaaac tgtagaagag aatcaagaag 360
aaaaataaaa atcag 375

<210> 979
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 451
<223> n = A,T,C or G

<400> 979
cgcggctgca gggtccggtc ttcggttttgc acagctagag gccgcgcagc agcaaaggat 60
gagcggaacc ttggaaaagg tgctgtgcct gaggaacaat accattttta agcaagcctt 120
ttctctctta aggtttagaa cttcaggaga gaagcccatc tattctgtag agagagacgg 180
tcttgcttgt ggcccaggct tgagtacagt ggcatgatca tagctccctg cagcctcgaa 240
ctcctgggtt caagcaatcc tcctgcctca gcctctggag tagctgggat tacaggtgga 300
attctactaa gtatcagtcg gccctacaag acaaagccca cccacggcat tggaaagtac 360
aagcacttaa ttaaagcaga agacccaaga agaagaaggg aaaagtggaa gtgagagcca 420
ttaatttggg gacagattat gaatatgggg ntttacctgc cgggcgg 467

<210> 980
<211> 218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 2
<223> n = A,T,C or G

<400> 980
nnacgagaag tcctgcaact gcctcctgct caaagtcaac cagattggct ccgtgaccga 60
gtctcttcag gcgtgcaagc tggcccaggc caatggttgg ggcgtcatgg tgtctcatcg 120
ttcggggggag actgaagata ccttcatcgc tgacctggtt gtggggctgt gcactgggca 180
gatcaagact ggtgcccctt gccgatctga gcgcttgg                       218


<210> 981
<211> 660
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 461, 466, 509, 513, 551, 552, 568, 570, 585, 589, 597, 600,
601, 629 .
<223> n = A,T,C or G


<400> 981
ccaactatgc ctctcagaac atcacctacc actgcaagaa cagcattgca tacatggatg 60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatgat gttgaacttg 120
ttgctgaggg caacagcagg ttcacttaca ctgttcttgt agatggctgc tctaaaaaga 180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcctgccct 240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg 300
gcccagtctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa 360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagcttgaa tccttccatt 420
tcttctgcac atctacttgc ttaaaattgg gggcaaaaga naaaangaag gattgatcag 480
agcattgggc aatacagttt cattaactnc ttnccccgtt cccccaaaat ttgaatttt 540
ttcacatttt nncctgtatg gaaaatgnan ctttgtagaa acccnattna aattganaan 600
naaccttaac tttcccctgt ggtttgaant ttccccaagg aattactccc cgcggcaagg 660


<210> 982
<211> 580
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 520, 554, 562, 563, 571, 572
<223> n = A,T,C or G


<400> 982
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcattttc tttgtcaaat tatactgttt ccaaacattt tggaaataaa 420
taactggaat tttgtcggca cttgcactgg ttgacagatt agaacagagg aaccattgga 480
gtaaattttt cctgcccggc ggcgctcagg gcgaattccn cacctggcgg ccgtctgtgg 540
tccactcgga ccanctgggg anntgggcta nngttccgga                    580

327

```
<210> 983
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 171, 237, 243, 248, 259
<223> n = A,T,C or G

<400> 983
ccagtgcccc ccaggaggct ccaccctcaa ctcaacccaa gcaacaggga cagatgaaaa 60
acaaaatcca atcagggcga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120
ttcgtgcgtt cttgcttttg tcactgcccc cctgttacat gggggggggg nttaatttgg 180
tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaa aaagggnaaa 240
ttnccccnaa aaaaaaaang ggggaaaaaa a                                271

<210> 984
<211> 336
<212> DNA
<213> Homo sapiens

<400> 984
ctgccaagct caagtccagt ggaatttatc aacaatttat caccctgccc ctgctctgct 60
agacaatttc atgccttctc ctttatcccc atgctcctga gactgagcct ttccaggagc 120
ccctcaacct gcttcctccc agaatccggg caaggctaca ctggtttccc ctctgcaggg 180
ccctggccct gggaggggga aggctgactc taatggggag gaatcccagc ttcagtggct 240
tcaaggcagg ccattcaact taccgacctt ggctacacac acccacgaca cgcaacacag 300
acgcagacac aagactggca cttgggatca cactgg                           336

<210> 985
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 45, 48, 49, 58, 64, 70, 77, 83, 86, 97, 113, 157, 159, 166,
187, 191
<223> n = A,T,C or G

<400> 985
aaacatctca catatacaaa ataggtacaa tttaattttt cttgnttnnc ccaaaaanca 60
aagnttttgn ggacccntgg aanaanatga aaatganact ggcaaagaac aantgctgaa 120
tctgaagaag aggacaactt tgggcaaata atctgcntnc ttttanttgg gaataagatg 180
gaaaatntga ntgctaaatc aaatttttt                                   209

<210> 986
<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

```
<222> 8
<223> n = A,T,C or G

<400> 986
aaaaatgnga aatgtctcca cttagcgtag atcaatcaag tcagccatct cctaagaaat 60
acacattata caatgaaatc tacaaagaca cacttttaa cttcaagcgt tgttgatttt 120
cagcaaccct cttcccacat gaacatttcc ttgtaatgta atgtatgact tttaatcttc 180
ttttggcaga gtagggactt tgagaattat aatagcagtt gttttgaaaa gcacct    236


<210> 987
<211> 260
<212> DNA
<213> Homo sapiens


<400> 987
gggaacgtca tcgtttggaa agcgtcgcaa taagacgcac acgttgtgcc gccgctgtgg 60
ctctaaggcc taccaccttc agaagtcgac ctgtggcaaa tgtggctacc ctgccaagcg 120
caagagaaag tataactgga gtgccaaggc taaaagacga aataccaccg gaactggtcg 180
aatgaggcac ctaaaaattg tataccgcag attcaggcat ggattccgtg gaggaacaac 240
acctaaaccc aagagggcag                                            260


<210> 988
<211> 167
<212> DNA
<213> Homo sapiens


<400> 988
aaacaaacta tagaactctt cattgtcagc aaagcaaaga gtcactgcat caatgaaagt 60
tcaagaacct cctgtactta aacacgattc gcaacgttct gttatttttt ttgtatgttt 120
agaatgctga aatgtttttg aagttaaata aacagtatta cattttt              167


<210> 989
<211> 320
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 188, 238, 260, 278, 304
<223> n = A,T,C or G


<400> 989
aaataaaaag taaaagcaca cagtgtataa aaaataataa aagccatctt aatattgctt 60
acatcctaat actattagtt atattcgggg caagcagact aggatattgg tgttacttct 120
ataaagttac cttctgtttc taaatgctgt aaactaaact aaaacaggtt acccagaaaa 180
aagtggcnaa ttccaaaatg gcttaatacc tgtgacaact attgacttga gccaggtnca 240
acatcgatga aattcacacn tacaatgtaa agttgaanta atccccaaat tattttacat 300
tatntatgta tactttacaa                                            320


<210> 990
<211> 451
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 364, 374, 378, 382, 395, 410, 418, 437, 442
<223> n = A,T,C or G

<400> 990
aaagctaaat aagcgacaag tgataaactg acatattcta ttaaccccag catgaggata 60
cctcttctgc aatgatgtgg caaattattt attaaagcaa ggtaaacttt agcctcagat 120
atagataact ctcactcaga ggaaagaaag aattttttga tcataggaaa aattggcttg 180
tgcctttttcc ccttcaaaga acatttataa aaaccttata acttcagtga aatacacaaa 240
atgacttatg ctgacctgga cttttttccc cttttgaaaa atcgactaaa atatatatct 300
ttcaatttcc cccttgaata tgaaaaacct gactaaaaga aaaagatgtt tcctatgaag 360
gtgncctctt tgtnatancc antaggattt tccanaaaat atttgattan aacccaangg 420
taggagaaac cttttcntta ancttcaatt a 451


<210> 991
<211> 151
<212> DNA
<213> Homo sapiens

<400> 991
gcatgaaacc cctgtcacat atcccctaga ttgctcaatc aatcacgacc ctttcatgtg 60
aaatctttag tgttgtgagc ccttaaaagg gacagaaatt gtgcacttga ggagctcaga 120
ttttaaggct gtagcttgcc gatgctccca g 151


<210> 992
<211> 211
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 177, 186, 189, 191, 202, 205
<223> n = A,T,C or G

<400> 992
aaaagccaaa aaatgggaga caatttcaca tggactttgg aaaatatttt tttcctttgc 60
attcatctct caaacttagt ttttatcttt gaccaaccga acatgaccaa aaaccaaaag 120
tgcattcaac cttaccaaaa aaaaaaaaa aaaaaattaa ttaatttctt ttttccntcc 180
cggggnggnc nttcaaaggg gnaantccca c 211


<210> 993
<211> 59
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 6, 9, 10, 19, 25, 54
<223> n = A,T,C or G

<400> 993
ctgatncann cttaccaang gatgncagag ccatgccatg gtgaggggct tgcnaatgg 59

<210> 994
<211> 193
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133
<223> n = A,T,C or G

<400> 994
gaagcctgtt ttgttggaag gtttggtgtg tggagatgca gaggtaaaag tgtgagcagt 60
gagttacagc gagaggcaga gaaagaagag acaggagggc aagggccatg ctgaagggac 120
cttgaagggt aangaagttt gatattaaag gagttaagag tagcaagttc tagagaagag 180
gctggtgctg tgg 193

<210> 995
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 288, 318, 324, 334, 399, 402, 422, 428, 430, 444, 450, 452,
456, 463, 471, 483, 504, 517
<223> n = A,T,C or G

<400> 995
ccagtgtgta taaccccttc cactatctca cagatagtca cagcgtccat tccatagtct 60
gtctcctcac atctgttagt attgacacag cacagacacc acaagccatc aggttcttca 120
tggggcaggt gaaatacttc taccccatgg gtaaatgtat ttacatatta ccaagagaag 180
aagcacatta tctatgatct tttggcccag ttcttattta gcatttttat tccagcctac 240
ttggaaacat gttttttattt gcaatatatg cctgactgaa ttaagctngc ttggtttaaa 300
caaccaaatc attggaanga aaanggattt aaanaacaag aatgcttgat ctcagcggtg 360
attaaaaaaa aatcagggga aataaatgat cataagaang gngctttcaa acaactgcta 420
tnataatntn aaaggcctct ttgncaaaan angataaaag gcntcctttc nttccaggga 480
aangttttgt gggaaaaagg gttnttaaaa cgaccancct tgaggttaaa aaggggggcc 539

<210> 996
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 415, 421
<223> n = A,T,C or G

<400> 996
ctgaggtctc ttgagggagc ttagccaatg tgggagcagc ggtttgggga gcagagacac 60
taacgacttc aggcagggc tctgatattc catgaatgta tcaggaaata tatatgtgtg 120
tgtatgtttg cacacttgtg tgtgggctgt gagtgcaagt gtgagtaaga gctggtgtct 180
gattgttaag tctaaatatt tccttaaact gtgtggactg tgatgccaca cagagtggtc 240
tttctggaga ggttataggt cactcctggg gcctcttggg tcccccacgt gacagtgcct 300

```
gggaatgtat tattctgcag catgacctgt gaccagcact tgtctcagtt tcactttcac 360
atagatgtcc ctttcttgga ctcggccgcg accacgctta aggcgaattt ccacnccctt 420
ngcggccgta ctatggaatc ca                                        442
```

```
<210> 997
<211> 498
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 331, 407, 412, 428, 457, 484
<223> n = A,T,C or G

<400> 997
tttttttag tgaaaataag ctttattaca tcaagtaata aatacataca aagatgcaaa 60
cagttttagt cattttcttc cagatgtttt tatcaactta caataaacgc agaactgaga 120
tctacttaca gtcttagtat gaaagtgttc gggggtcctt gttaggtttg gtgggttgct 180
ctttcttctg tatttataac ttgtgcattt ttaaaaattg actttgaagc actaatagtc 240
atgcaaatgc ttaagcaaaa aagaagttac attaagcaga acctacattg tatggcaaat 300
gggaaccggc tactaagtaa agcgtgctgt naatatgcgt tcaaaacaaa atccctacag 360
tgggtattag cttatgaaaa gggaacaaag aacaccatgg gtaacanatg tntacaaaag 420
agaagaanaa tggggagacc atggtgtctt ggagggnaaa ctacaacctg cccgggcggc 480
cgtngaaggc gaaattca                                             498
```

```
<210> 998
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 226, 227, 361, 376, 385, 399, 413, 417, 428, 439, 443, 450
<223> n = A,T,C or G

<400> 998
cagatgcgga agacctctta tgctcagcac caacaggtcc gccaaatccg gaagaagatg 60
atggaaatca tgacccgaga ggtgcagaca aatgacttga aagaagtggt caataaattg 120
attccagaca gcattggaaa agacatagaa aaggcttgcc aatctattta tcctctccat 180
gatgtcttcg ttagaaaagt aaaaatgctg aagaagccca agtttnnatt gggaaagctc 240
atggagcttc atggtgaagg cagtagttct ggaaaagcca ctgggggacg agacaggtgc 300
taaagttgaa cgagcttgat gggatatgaa ccaccagtcc caagaatctg tttacctgcc 360
nggcggccct cgaaanggcg aattncacac actgggcgnc gttactagtg ggntccnagt 420
tcggtccnaa gcttggcgna atnatgggcn tta                            453
```

```
<210> 999
<211> 581
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 491, 502, 527, 540, 555, 562, 563, 568, 579
<223> n = A,T,C or G
```

```
<400> 999
acaaaaaaat tcttttatgt acaatatctt gtctagagtc tagcaaatat agtacctttc 60
attgcaggat ttctgcttaa tataacaagc aaaaacaaac aactgaaaaa atataaacca 120
aagcaaacca aacccccgc tcaactacaa atgtcaatat tgaatgaagc attaaaagac 180
aaacataaag taacttcagc ttttatctag caatgcagaa tgaatactaa aattagtggc 240
aaaaaaacaa acaacaaaca acaaacaaaa caaaacaaac aaacaaaaaa tcccaccaat 300
cttcatgggt aaactttcct gctcagggat gtaagctgac tctagaccat ctcgcggttc 360
ctgcggatag cacagcacaa gatcatactg aagatcatgc caaatatcat gaccacggca 420
atgccgatgc ccactgcgcc gatgatgtgg aatttattgg tcgaagacct cttttgatgg 480
catcaggaca ngacttcacg gngaaggttt cgagtcctcc ttccctnccc ggccggccgn 540
ttaaggcgaa ttcanccccc tnncggcntt cctatggganc c                   581

<210> 1000
<211> 299
<212> DNA
<213> Homo sapiens

<400> 1000
gttccaggtg tatcttagct aaaactagag aatgccctaa cttagatggt ttttgaagcc 60
tatacaattg gtattgtttg acccttaagc ttttacatct cttagcatgg aggacgaaga 120
aagctgtaca ttgttgcttg agagtctgta catttagtcc agatttgtat ttgcactgcc 180
agtatggcaa atgagtgaaa aatgtttaat acactattgg attttttatt tccttttttt 240
gattcagctt atacccgggc tgaaaacctc aatttatgtt catgacagtg gggattttt 299

<210> 1001
<211> 333
<212> DNA
<213> Homo sapiens

<400> 1001
tttttttga attttaatat gatattttat tatgggtgtc tgtaaggaaa aaaaagatca 60
acaaccacat acaagcttac aaagttaaat ttcaacacat tctctatgct agtgtgacaa 120
aagcagcccc ataatttggt ttttattgtt gacctttaca ggatgaagga ggagaatccc 180
ctgtggcatg ccaatgaatc tttctgatgg gagacatgta cagattttgt gcatttatgt 240
tctgaatgca agtcaacaat tctgatctag agtttaaaag tgaaagtaca ttagcaccat 300
aacatgcgtc tttaaagcct tcccaaatat taa                             333

<210> 1002
<211> 367
<212> DNA
<213> Homo sapiens

<400> 1002
gcagaacaaa tcaagcacat ccttgctaat ttcaaaaact accagttctt tattggtgaa 60
aacatgaatc cagatggcat ggttgctcta ttggactacc gtgaggatgg tgtgacccca 120
tacatgattt tctttaagga tggtttagaa atggaaaaat gttaacaaat gtggcaatta 180
ttttggatct atcacctgtc atcataactg gcttctgctt gtcatccaca caacaccagg 240
acttaagaca aatgggactg atgtcatctt gagctcttca tttattttga ctgtgattta 300
tttggagtgg aggcattgtt tttaagaaaa acatgtcatg taggttgtct aaaaataaaa 360
tgcattt                                                          367

<210> 1003
<211> 388
```

<212> DNA
<213> Homo sapiens

<400> 1003
aaaaaaagtg gggagagggt gagagtcgta aggggcaata gcaatagaga ttacactgtg 60
ctgacacaga gactaaattc tagtcagagt gaagacccat ataaaaggcc ggctgatggt 120
ttaaaggaag taaccacatg gagtctaatc gagacattca tgagttacat ctcattatta 180
gccttagtaa tgtaagaaaa caattctcaa caaaactgga gtccacagtt gtcaagtatg 240
ctttctcagg cacgggtagg taaaagtctg gagaaatggg ttctctccat gcccaatgac 300
aaagcaagac ggtcctaggt ttgaggttaa gagcaggtcc cattgccggg cggtatccgc 360
agctcacaga cctcgggccg cgaccacg 388

<210> 1004
<211> 211
<212> DNA
<213> Homo sapiens

<400> 1004
gctggggttg gctccatgac caaggtctat gggggacgtc agagaaacgg cgtcatgccc 60
agccacttca gccgaggctc caagagtgtg gcccgccggg tcctccaagc cctggagggg 120
ctgaaaatgg tggaaaagga ccaagatggc ggccgcaaac tgacacctca gggacaaaga 180
gatctggaca gaatcgccgg acaggtggca g 211

<210> 1005
<211> 318
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 175, 237, 248, 249, 250, 275, 278, 311
<223> n = A,T,C or G

<400> 1005
aaaatgtacc caactgggac caaatacaaa catgagacac tagggtggct tgtccttgat 60
taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120
caacattgca aaagtgggtg cttctacatg aggacttttt ttcccccccaa gtagnacaat 180
aattaaatct tgtgtttctt tatattgtgc ttttttggg agaaagcaat tcatttnccg 240
atctaaannn tgccggatac aaaggtagtt caganacnta ataatggtcc ctccaagaac 300
aagggagcaa nccccta 318

<210> 1006
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 403, 440, 446, 457, 467, 472, 482
<223> n = A,T,C or G

<400> 1006
aaatgactaa aaacgaggcc acactttaat tcaattggaa aggaaatgca gttggaaaca 60
gagcataatt aacgctactg aaaagatgga tatttgggac caaagttcat ttgctccagt 120

```
tgagagtaag ttttcagggg attaacttgg gaatggtgca gtgtaatcta gatcacgctc 180
ccaagacctg caccaaagag aattatggtt gcctttgag ctactgtatg actctatttg 240
cctttcacat aactagcttc cccaagcaga tctgcctgtg aatattagac attactatgg 300
tgttagtgat cactcccagt acccacagtc catctcataa ttggaaagta tgaataggaa 360
agtatttgta atcagtgtca ttgcagggga aggagtactc tangccagtg gcctaaatca 420
atggacctgg cccgggcggn cgctcnaggg cgaattncac ccactgngcg gncgtatcta 480
gngggatccc a                                                    491
```

<210> 1007
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 380, 381, 407, 424, 429, 445, 488
<223> n = A,T,C or G

<400> 1007
```
gcgagaatga agactattct cagcaatcag actgtcgaca ttccagaaaa tgtcgacatt 60
actctgaagg gacgcacagt tatcgtgaag ggccccagag gaaccctgcg gagggacttc 120
aatcacatca atgtagaact cagccttctt ggaaagaaaa aaaagaggct ccgggttgac 180
aaatggtggg gtaacagaaa ggaactggct accgttcgga ctatttgtag tcatgtacag 240
aacatgatca agggtgttac actgggcttc cgttacaaga tgaggtctgt gtatgctcac 300
tcccccatca acgttgttat ccaggagaat gggtctcttg ttgaaatccg aaatttcttg 360
ggtgaaaaat acattccccn nggttcggat gagaccaggt ggtggntgg tcagtatccc 420
cacncccna aagaggaatt taatncttga aggaaatgga catttgagct tgtcccccc 480
cccccggntt t                                                    491
```

<210> 1008
<211> 346
<212> DNA
<213> Homo sapiens

<400> 1008
```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
ttttccatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttg           346
```

<210> 1009
<211> 143
<212> DNA
<213> Homo sapiens

<400> 1009
```
aaagccttcc caaatattag taatcttgac cagcaatgac aagaaaaaag aggagcacct 60
ttacaagcag ttgatatcca atattaaaat aattgtggct ttaaaaatat ttctttaaat 120
tcttgcatta cacttttctt ttt                                       143
```

<210> 1010
<211> 716

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 418, 465, 489, 505, 512, 517, 527, 547, 562, 563, 566, 579,
580, 589, 602, 611, 618, 647, 648, 660, 689, 693, 710, 714,
715
<223> n = A,T,C or G

<400> 1010
ctgacaggtg tacttaaaaa tactgaattg acagctacat tgaatgcagg gtttcccagg 60
gtagttctca ttttgtcact tactccaatt acattcaagg tcgttatgcc tcatcttttt 120
cctgagctgt ggcagctcta actggggcac ccagagagat acataccagg taatctccac 180
ttctactttt ctggtagctt ggccctggca aaatgagccc cacaatctag aaagtaggat 240
gctaaacaaa gttgaatcaa catatctttt tagaaaatat caggttagag aatactcctg 300
aggacctgtt tctaaccaga gttgacaaat gtgaaaaatg catcagctag acagcagtca 360
tgtgaacaca gcccggaact gcaagtcaag gaaatgggtt ctgggcccgc cttcccangt 420
accaaaacca ttattcaaaa gcaactactg aaaatgccag cttgntgggg aaaagaaatg 480
gggaaacgng ataaatccaa ttaantgcat gnatatncat gaatacnaaa gctatatgga 540
aaaaatnaaa tcaaacccctt tnnacnaaga agaattggnn acctcctant ttttggccca 600
angtaaaaat naaaaacnct gggataaatt ttgcccttag gcctttnntg tgagggaaan 660
atttaacttg gggaaaaaaa cgattttanc tgnccggggg gcccccccaan gggnnt 716

<210> 1011
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 476, 498, 501, 522, 530, 549, 551, 552
<223> n = A,T,C or G

<400> 1011
ctgcagaatg gctcccgcaa agaagggtgg cgagaagaaa aagggccgtt ctgccatcaa 60
cgaagtggta acccgagaat acaccatcaa cattcacaag cgcatccatg gagtgggctt 120
caagaagcgt gcacctcggg cactcaaaga gattcggaaa tttgccatga aggagatggg 180
aactccagat gtgcgcattg acaccaggct caacaaagct gtctgggcca aaggaataag 240
gaatgtgcca taccgaatcc gtgtgcggct gtccagaaaa cgtaatgagg atgaagattc 300
accaaataag ctatatactt tggttaccta tgtacctgtt accactttca aaagtaagtt 360
ctccatccca taaagccatt taaattcatt agaaaaatgt ccttacctct taaaatgtga 420
attcatctgt taagctaggg gtgacaaacg tcattgaccc tttttacctc gggcgngacc 480
acgcttaggg gcgaattnca nccacttgcg ggccgttcta gnggatccan ctcggaccaa 540
gcttggcgna nnatggggca tagtg 565

<210> 1012
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 317, 320, 330, 332, 342, 349, 351, 366, 371, 400
```

<223> n = A,T,C or G

<400> 1012
```
ggcgttttga tgccatgccg tttactttaa gagcatttga agatgagaag aaggctcgga 60
tgggtgtggt ggagtgcgcc aaacatgaac tgctgcaacc atttaatgtt ctctatgaga 120
aggagggtga atttgttgcc cagtttaaat ttacagttct gctcatgccc aatggcccca 180
tgcggataac cagtggtccc ttcgagcctg acctctacaa gtctgagatg gaggtccagg 240
atgcagagct aaaggccctc ctccagagtt ctgcaagtcg aaaaacccag aaaaagaaaa 300
aaaagaagga cctctgncgn gaccaccccn anagggaat tncaacacnc ntttgcggcg 360
gtcttntggc ntccagctcg gtccaacttg gggtaatcan ggggtcc            407
```

<210> 1013
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1013
```
ctgtgggcta attgccgcca atttcagcct gccacgattc ttggaaatat gtcttccaag 60
tgccatccat catcagtagg acaagtgtcg ggagtttgtt tattttttc cagtagcaac 120
gatgggttac atggagccat gaaacctcct tctggcctcc cttgtgatta atggcatgtg 180
tttgtaaaat ggatagctgg ggttggcaga tggctagaga agaatcgcct ttggttt    237
```

<210> 1014
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 415, 469, 503, 573, 589, 600, 613, 626, 633, 646, 657, 661, 668
<223> n = A,T,C or G

<400> 1014
```
ccagggattg tcggtgcagg gtctgcaggt aggcagtcag gttgtgaatg cgctgggcat 60
ccagaaactt gcggatcacg taggatggct ccaactttcc aatggttcgg atatattgct 120
ggacagcccc atcgtggttg cccttgctgt agagatggtc tccatactgc atgaaaatct 180
gggccggccc atcactgtcc agatgctggc tcttggcaag gttaatcgcc atctcaaata 240
ggttcttctt aaacagcatc tccagtttgg tctgtgtgtc cttctcctgc agtgcgtgga 300
cccgcccatc ccgcgtcagc acgtacaggg agccccactc agcaagcaca tccactacat 360
cctcaaagac ggtgctatag ctatgaact tgttgcacag gtcatagatg tttanaatct 420
gcttgtcgga gctctgtgaa tccctgctgg taaactcttg acttgggana aaaccttccg 480
gcacgggaga caatgataag gtngcctcta aaccagtggc aatgaactta tggccctaaa 540
ggcaaacaag gccacgttca tcaggtggac agnagaacct atcccggcnc atgaatgagn 600
ctaaaaggcc tanggtacac gaagcncacc tgngcactcc caggantttc aagcttntga 660
ntgactcng                                                         669
```

<210> 1015
<211> 494
<212> DNA
<213> Homo sapiens

<400> 1015
```
aaataaggtg atagtaaatt ataccttgta gttaatagta atcaatcaat caatcactac 60
```

```
agtaatcaca aataaggtaa agtctaaatt actgccttag caaacactat gttgtcaggt 120
ttttctgctg caagcccaag gcgggaaaca ctgcagttat tagaagtgag cccaatgatg 180
aatttgcatt tgaagctggg agaaagagga aaaaaagtgt gttctgatta tggcatcgag 240
acactgtagc ctaaaaaagc aactttatta atgtcctgca gcagcgtaca ttagtaatta 300
taacaatgca ttaaaatttt catttcatgt catagagaat cagttttctt catgatacat 360
tatgttttac tgagtgagtt tgtccctcca gagacctttc tgggaacatg ccttctccag 420
ggactgcttc ctaagatgcc caggttgctt accacaggtc atctttggtc atttacctcg 480
ggccgcgacc acgc                                                   494


<210> 1016
<211> 98
<212> DNA
<213> Homo sapiens


<400> 1016
ctggcaaaat aacacacagt acacaaagaa cagtgtattt tacagagtca gtaatgaaaa 60
ctgacagctc tttagcagat atgctttttt catttttt                         98


<210> 1017
<211> 458
<212> DNA
<213> Homo sapiens


<400> 1017
aaaaagatgt ttggatatat ttgagtattc cgatcatgaa aacagaaatt gccctgccta 60
ctacaaggac agactgatgg gaaattatgc acctggtcaa cttagctttt aagcagacga 120
tgctgtaaaa actaacggct tctctgatat ttattgtaag ttttagtact gatctccttt 180
tccagtgctg cacactcctg gtttggaact ttaatagcgt tgcaacgaaa tcctatatcc 240
agtttcctgt aatttaattg aagaaaaata catccaaata aagactttat tattaacaga 300
ccagatagca tcagaaatca tgtgactgtt atgattatca gaatgtctta actttttagg 360
gcaaagttaa cactgaaagt tctagcttaa gtgttgaaac ttttgtggga aaaaaaatca 420
cttttgaaac tcagacttca gtgtataccc aataattt                         458


<210> 1018
<211> 654
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 506, 530, 547, 548, 592, 600, 605, 610, 619, 624, 632, 634,
638, 642, 647
<223> n = A,T,C or G


<400> 1018
ccattcttga aagaaaaaag ctgcaaataa cattttcaag aatataaaaa aatgagtaaa 60
caaagggaag gttgtttggt catttataga caattaagca cagactgtag atgtccttcc 120
aattcttggg aggctaaact gagtctacca tttcttacat ttctttttacc tattttttga 180
gaattgccag ttgtacagtg tttagcatgt ggaatgtacc aaatatatct atgttgtgac 240
ttaagatatt ctaaatgtgg ataacttctg acctaggaaa catgaagttt gtagtgaagt 300
aagtgaaaag aatgttcagg aaattttttt tctccatctc ttcagttggc atttattgag 360
agttttattt gaatgcttat taaaagtata tgattataa tatttagaaa atagaagaaa 420
aaagaaaact gtagatgttt tatcttggtt taatactgga tggtttagta ccgtatacca 480
tttatggttc tagtgggatc aaaatntttc attttcatta aaagtgaatn caaattttcc 540
```

cttattnnaa ggcccatttt acctcggccc gcgaaccacg gcttaggggc gnaattccan 600
caccnctggn ggccggttnc ttangggatc cnancttngg tnccagnttg gggg      654

<210> 1019
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 219
<223> n = A,T,C or G

<400> 1019
ggcagggcct agctgctaca aagaagacat gttttagaca aatactcatg tgtatgggca 60
aaaaactcga ggactgtatt tgtgactaat tgtataacag gttattttag tttctgttct 120
gtggaaagtg taaagcattc caacaaaggg ttttaatgta gatttttttt tttgcacccc 180
atgctgttga ttgctaaatg taacagtctg atcgtgacnc tgaataaatg tcttttttttt 240

<210> 1020
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 274, 285, 311, 353, 357, 360, 364, 382
<223> n = A,T,C or G

<400> 1020
ctgctcttca tttattttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat ttttttttttc tatttaataa 120
tacaccacac tgaaattatt tgccaatgaa tcccaaagat ttggtacaaa tagtacaatt 180
cgtatttgct ttcctctttc ctttcttcag acaaacacca aataaaatgc aggtgaaaga 240
gatgaaccac gactagaggc tgacttagaa attnatgctg actcnatcta aaaaaaatta 300
tgttggttaa ngttaatcta tctaaaatag ggcattttgg gaatgctttt canaganggn 360
caantaacag tcgtacagct anaaaagtcc ctgaaaaa           398

<210> 1021
<211> 363
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 72, 77
<223> n = A,T,C or G

<400> 1021
gaggtcagaa gataaagaca tcctaccttt gagcctttta gaacaggtat ccagggattt 60
tacctctcca gngctangca gggtctatgc ccataacatc agcaggaagc agttacagaa 120
gatgaacctc cgcccttctg caagcccctt aagattaagg aggagtatat aatctctgat 180
ggggaaatga ggtaggagac cagaaggact tattttccat tcccaacccc attgaacaga 240

```
gcaggatctg gtcaaaacag ggtgcagtgg agaagcctgc tgaaaccagc agatgatgat 300
gaaagtgacc tctagttgcc ctcactgctt atgagcataa agacactacc actgggacca 360
tgg                                                                363
```

<210> 1022
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 323, 335, 357, 385, 392, 406, 435, 445
<223> n = A,T,C or G

<400> 1022
```
aaaaagtatg ttctaaaatt attatatata catgggtgaa ttatgtttcc gaggcactgt 60
tttatctctg tgaatcttga ataacttttt tatatttggg ttatgatgtc aaacgatcct 120
aagcgaagat gatttcagtt catcaaatca tcattaatga ctttatgtat tatttgcaca 180
gggagaattg aaactgagta taatcaataa gctagatcga aaatcagttt ctcaaactga 240
gcttcagaaa agggcatttt ggactcttgg ttttgcataa ctgggtttgg ttttttttgca 300
gaattaacta taaccaatca ctngcttccc gaagnaaacc tggatgtacc tggaatncca 360
ttattaccat aaccttccca atttntttac cnactttctg gtttangccg aaccttggga 420
ttacccttat ttttnccggg gtccngaatt taaaaaaaaa aaaaaaaaaa aaaaaaagc 479
```

<210> 1023
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 433, 450, 451, 452
<223> n = A,T,C or G

<400> 1023
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttgggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggt aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggac ctcgcccgcg accacgctaa 420
gggcgaattc cancacactt gtggcgccgn nnctagtgga tccga           465
```

<210> 1024
<211> 210
<212> DNA
<213> Homo sapiens

<400> 1024
```
aaacaaagca aaacaaaacc accaatccta ataacccccc tccctgcccc gtctccacgc 60
tgtgcggaga gggctctagc ccctcagtcg gacttctcct tctccttcat gtgcaagaag 120
acgatgctga agatgaagag ccccagcatc atggagaagg cgctggcgta gtaggggtag 180
gccgagggga tgaagcgctc atactgcgtg                                 210
```

```
<210> 1025
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604
<223> n = A,T,C or G

<400> 1025
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420
acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480
cggagtccat cgtcaattgg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540
ttgtanangg gggnaccttg nctggatgnc ctcacagggg atgacttgag gatgngggggc 600
tggntactg                                                         609

<210> 1026
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 196, 531, 539, 540, 541, 551, 552, 571
<223> n = A,T,C or G

<400> 1026
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttgggtttg 60
cacatttttg tttatcatac attttttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gcccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtcttncttc tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
ggtacaatgg ggaacgcctg atgttggagg aaagcaggag gactttagag tggagttgca 420
ttctaatctc tctgccgctt caactatgtg acctggggca aatgatataa actctatgag 480
cctctttcct tatctttacc tgcccgggcg ggcgctaagg gcgaattcca nccactttnn 540
ngcggttcta nnggatccaa ctcggaccaa ncttggcgta atatgggata               590

<210> 1027
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 69, 88, 121, 127, 129, 177, 266, 275, 316, 332, 335, 348,
```

366
<223> n = A,T,C or G

<400> 1027
gtggtctcga gctcccaacc ttgtgatcca cctgcctcgg cctcccaaag tgctgggatt 60
acaggcatna aggataacgt tttttttncc catcactggc acttgccctt aatccaagtc 120
nttttgnanc ccccctttt gtttttgggc ctgcttaatt agctatatgc atcctcnagg 180
gctgagaagg aaggaaggga aagtccccaa gtggattttt agtcttcacc caatgcagag 240
gcagttttga gttctgtgga cagcanaagc ttcanttctt tgatgtatct atactgggac 300
ctgcccgggc ggccgntcga aagggcgaat tncancacac ttggcggncg tactagtggg 360
atccanctcg gaccaaactt ggggaaacat ggcata 396

<210> 1028
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1028
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaatgtac 120
aaagatgttt tccactttttt tcaatttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cg 282

<210> 1029
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1029
aaaggcaaag ctttatttc atctctcatc ttttgtcctc cttagcacaa tgtaaaaaag 60
aatagtaata tcagaacagg aaggaggaat ggcttgctgg ggagcccatc caggacactg 120
ggagcacata gagattcacc catgtttgtt gaacttagag tcattctcat gcttttcttt 180
ataattcaca catatatgca gagaagatat gttcttgtta acattgtata caacatagcc 240
ccaaatatag taagatctat actagataat cctagatgaa atgttagaga tgctatatga 300
tacaactgtg g 311

<210> 1030
<211> 144
<212> DNA
<213> Homo sapiens

<400> 1030
aaaacaagca aattttatta aaggaaaatt ttgcaggttt aaggtttgca ggtgaaattt 60
tgtaggtgaa aaggtttact tttcaccagt ctgttctggc atgcttctaa tgatgtcaga 120
gtcacctgga tcaatgatag ccag 144

<210> 1031
<211> 79
<212> DNA
<213> Homo sapiens

<400> 1031
aaaagttgct attaccaatt ctgtctactg tagcaagata ccttaagtta caacaaaatc 60

ttaggaaata agactgaat                                                      79

<210> 1032
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 89, 92, 93, 110, 145, 194, 238, 335, 336, 342, 363, 381,
397, 434, 470, 474, 507, 511, 526, 536, 538
<223> n = A,T,C or G

<400> 1032
ccaggagctg tctttggggc tggggataca acagagaaac aaaccaggtg ttgtcatttc 60
ccagaagtca caatatttca agggaaaant tnnaatccag gtttcactgn tttcaaaccc 120
caggttgatt attaagtgga cagcntttcc tgtagtccag ggaggcccaa agaatgttcg 180
tagagggtct tggnttaggg tttcttatta acagagtgaa caggaaccaa acaccaantg 240
gaaatggagg gtgatggctt tggtgggggg ggtccagtct aattgttctt catcgtctcc 300
tggatccagt ccacatattt gcagactttc gtgtnnaccc angcttttcg ggtgatccac 360
acnggatcct ggccccagga nataatgcct tgaaaanact ggttcaaacc aaaaggcccc 420
cggagtcccc tggnaggatc cttgcccctt ctcacctgga cacccatggn gttntatttc 480
ccgggagcgt ctacctttgg gtaactngcg naccctaggg atcacnctgg ctctangnca 540
ctgccactgg                                                              550

<210> 1033
<211> 293
<212> DNA
<213> Homo sapiens

<400> 1033
aaatcacgtt ttgtttctgc aaatttggga gacaaattga gttcttactg gaatgtggcc 60
tatcgctggt tgacaaatct gaaatggaat gtctccaaat ggcagtgcct cccttttccgc 120
cctccctagg accacaccaa taaccagctc ccaagcacaa gttcttgctc ccatttttc 180
tgtaggggtg ggggtgggac cttcaggctg ctatctttgc catctgctgt tctaacttgg 240
aaatacgctc atcttgattg cagattgtgt cttttataga tttgatctct ttt         293

<210> 1034
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 454, 522, 553, 577, 579
<223> n = A,T,C or G

<400> 1034
ctggcattcc ttcgacttct ctccagccga gcttcccaga acatcacata tcactacaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagttctg 180
gaggatggtt gcacgaaaca cactggggaa tggagcaaaa cagtctttgg atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggtcctgat 300
caagaatttg gtgtggacgt tggccctgtt tgcttttat aaaccaaact ctatctgaaa 360

```
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaatctt gtcaaccagt 420
gcaagtgacc gacaaaaatt ccagttatta tttncaaaat gtttggaaac agtataattt 480
gacaaagaaa aatgatactt ctcttttttg tgtccccaaa tncattcaaa gctttgttct 540
tttccattca ttnaaagttc atgggtatat aaaactncnt tttaaccctg gtttctgatc 600
tacct                                                            605


<210> 1035
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 519, 540, 553, 575, 578, 586, 609, 621, 631, 644, 651, 653,
662, 681, 686
<223> n = A,T,C or G

<400> 1035
ccagtcattt attttttccag taatttaaag ctgtgactag gagacacagc ctctgtgggt 60
tgtgagggtt gagatgatat aaactcagga gctgtcgggt ggacatgttc actgagaagg 120
acagtcagtc cacagagaga gaacaccgcc aacatgcagg ggggtctaga gaacacagac 180
catgtggatc cgagagtgtt ggaggggcag ctctagcttc tctgggctttt tcggatccga 240
gttctgttcc tgggaggcct ggctaaaatc taccttggg ccctgcactc ctccccatgg 300
ctatattgca aatatcctat actttgcatg tgatcacaca aagagggttt ctgttactgg 360
cacacaaaaa gtttgcctga gatgattctc ctccacttcc atcagggtct tctggcattg 420
atttcaactt attctctctt aagaacccat tgagtcccca taatctcttg gttctttctt 480
ttccaggacc actgctacag ttcaaacctc attttgctnt attacttgga ccttgatggn 540
tgatgcctaa canacccagg tttttaaaaa ccttnttntc cccttnaacc ttgggatccc 600
ctttccttna cccccatggc ncctgatacc ncctgggtcc attnccaaac ncncccaggg 660
cnggaagggt gttaaaattt nccaanccgg taaaa                            695


<210> 1036
<211> 245
<212> DNA
<213> Homo sapiens

<400> 1036
aaaaagtagt tagcatttaa tgaaactccc tccatgtggc ttcaagccac caggacacag 60
gcccccccaa cactcttaat cttctcctca gctcttctgc tgaagaattt ggccttcacg 120
atgacaggct gctttgggag ctttcccttt cccagaactt tgtagtagcc cgatcgcacc 180
acatcaatga tgggagcagc ccccgtcttg tttttagcag cattcacccg tgtctgttca 240
ctgac                                                            245


<210> 1037
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1037
ttggacccctt acacacttcc taatgacaga atttggctgt ttggcttcaa ctcctacttt 60
ttccagcacg attccttttg catgagaagc acctccaaaa gggttggcct ttagggctgt 120
gcccaaatga gctttcttat actgtttatc atgccacttc tggtctcgtc ggtgactacg 180
gagcttccta gcagtacgaa gtccacgaca cttgcccatc ctgtcggcg             229
```

<210> 1038
<211> 192
<212> DNA
<213> Homo sapiens

<400> 1038
gtgggactta ctccctcctc tcctttgaga ggcccatgtg tcgctgggga ggaagtgacc 60
ctttgtgtaa ctgtaaccga aagttttttc aaaaatccta gatgctgttg tttgaatgtt 120
acatacttct atttgtgcca catctcccct ccactcccct gcttaataaa ctctaaaaat 180
ccacttgtat tt                                                    192

<210> 1039
<211> 214
<212> DNA
<213> Homo sapiens

<400> 1039
ctgcagccca tcctcccggc tccctcctag tctgtcctgc gtcctctgtc cccgggtttc 60
agagacaact tcccaaagca caaagcagtt tttccccta ggggtgggag gaagcaaaag 120
actctgtacc tattttgtat gtgtataata atttgagatg tttttaatta ttttgattgc 180
tggaataaag catgtggaaa tgactcaaaa aaaa                            214

<210> 1040
<211> 524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 264, 322, 379, 408, 461, 483, 518
<223> n = A,T,C or G

<400> 1040
ctgtgggtgg ttttcctgtt acgacgctca gtagcctgta gcaataacaa actcgtggct 60
atgaatgcag atgcagtgtt ctcatagaat aactgttcct gcactttac agacaaatct 120
acgacaaaaa aaaagatcaa cttttttttt ccgaacaaca aaaaaaatga atgattacaa 180
taggaaaggg aaaaattaaa tagctacata tcattaacaa attaatgttc ttcaaaaaat 240
acctacaaat ttctctgtac attntttacg cacagcgtaa cgatggtctc aaaatcaccc 300
atatagaaaa gtgttctcaa cnattttcc tacagaaaat ataggggcct gaatgccaaa 360
gcttggaagc ccagtacant gggagtgaaa tgtgtgcggg gcaagganaa gggctttttt 420
tcctccctt tcaaaggctg caccactctg tgactacaaa nccagcctcc accttttccc 480
cangccattc caaatcacac taaaactgaa accggggnat cggt                524

<210> 1041
<211> 429
<212> DNA
<213> Homo sapiens

<400> 1041
aaacaagact ccagtatgtg aaggttaatt gctgtgctcc acagatcttg tctattggcc 60
cctgtagaaa gttaaccttt gttgtttttcc ttttataatt tgcttattgc acaattgctt 120
tagggtaagt gaattatatt aagatgcctt gaaattatag cactccttga ttaagaagct 180
aaaatgtttc tctcatttac tccttaaaca aaagacttaa attagtttgg gtcattatta 240
ctttttatttt gcagcatttg gtttgttatt agcgtaagag caagtatagg atatggagag 300

```
gcccctggct tcatgagaac aaaggcaggc ccaggttata attacagctt tctcctgccc 360
cttctttact ttctctacca cagtcttctc cactgtttgt tttcctcttg ccacaatttg 420
ctaacattt                                                        429
```

<210> 1042
<211> 313
<212> DNA
<213> Homo sapiens

<400> 1042
```
ccagagtctg tcacactaag atgagaaatg tcctttcttc ctgaaggtgt ctgatgtgta 60
aaaatatgat atactttgtg ctgtttcctc ccttcccttt tgcatattat tctgaaacaa 120
cattaactag ttactttgcg tcattgaagg tatgcacttc ccctctatgt taggagtgaa 180
taaaattaaa aatagatcct tataacaaag aaaggcagat agaatgatta aaaatgacca 240
aaacatgtta gaaacagtct ctcaggtgta tgcagatggt aattacaaaa atactttttc 300
aaaaagaaaa aaa                                                   313
```

<210> 1043
<211> 299
<212> DNA
<213> Homo sapiens

<400> 1043
```
aaatttgacc aaaaaaaatt tattgtacaa ttacccacca ctggatttga ctcagagagg 60
accccagag ggtgtctcca tcttccctat ttattttcag cccttgaggg cttcattgta 120
gatcaaagcc aaggccccca ggaaggtgac atactcctgg aagttcacct cctggtcctt 180
gttccggtcc aagtcttcca tcagccttgc aatttcagca tcctgcagct tcgagccaat 240
ggtgagctcc ttctggatca gctccttcag ctccttcttg ctcagggtgt gcttgtcac 299
```

<210> 1044
<211> 135
<212> DNA
<213> Homo sapiens

<400> 1044
```
aaagcgctga tcctgtttat ttggcaggaa aacgagacaa tccagcagcc caggagggac 60
aggtggactt aatcctcctc ctcgtcgtct ccagccccag ccccaccctg gcccttcttg 120
gcattcttcc tcttc                                                 135
```

<210> 1045
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 462, 563, 566, 571, 588, 598
<223> n = A,T,C or G

<400> 1045
```
gtatcctagc tgacaaatta ttgattaata agaacttgaa tttctggaag attcttactg 60
ttaaccaaat tttgagcaag gagtctcaaa ggtaattctg aaccagaatt acatgttaat 120
gaacagtgta cctttaaca gtgtaaatca cggaatatcc gtgaagggat ttcttaattt 180
atttttacc ggttgattga aatatcagtt aaaggttgcc agcatggttg cagataaact 240
```

```
gatgtttgaa attcgctgaa atacttaatg tggaatagga taatatactt ccaatgccct 300
caaggctgtg accttacagc cattttacat agcacatcat tcctcctata gggatgaact 360
ttttcctggc acgaaaagta gcccgctctg gttgaagctt tgcttattgt aacaggcttt 420
tatttccagg taatatgtct ttggaagact taatttgatt anagatatag atattctgga 480
aactaatggt tttttctatg accctgcttt atcaaaaagt aaacattacc tcggccgcaa 540
cccctaaggg gaattccacc acntgnggcg ntctatggac caactcgnac caacttgnga 600
atatggct                                                         608
```

```
<210> 1046
<211> 347
<212> DNA
<213> Homo sapiens
```

```
<400> 1046
ctgttaaaga gtggaggaca cccttgaccc taacaaggaa aacaaattaa gcctttatgt 60
acaagcaaat ttagagctct tttaagtgtc caaagctatt aattagttta attaaggcat 120
taaactaatt ctgaattaac atttttataa ccaagaacta aaatgttcaa attttttct 180
agtacaaaaa aattaaattt gctttagtta taaaagagct ctgtcaatat acacaaacta 240
tatacttcag acattcacaa aaatgtgagc agaaggctta tcaaaagaca tttaatacaa 300
ttagttttca acaacccctt ggtggtccac atctacaaag atatcca             347
```

```
<210> 1047
<211> 307
<212> DNA
<213> Homo sapiens
```

```
<400> 1047
gccaccgaaa gcggacaccc tgactctcag aagcccccaa cgcatcccgg gacgagtgac 60
agctattctg cccccagaga ctgcctcaca cccctcaacc agacggccat gactgcccct 120
ttgtgaacac aatgtgaaag aagcctgctg tggtactgag cgtcgggctg tcacaaggca 180
ctggaagaag ggagcctgct ggtccagagt gtgcgtgtgt atcggtgtgt gtgtacactt 240
gcatgtgtgt gtgtgatcca gtaggatcct agagacaacc tgtcatactg tttacaaaat 300
tgtgcag                                                          307
```

```
<210> 1048
<211> 227
<212> DNA
<213> Homo sapiens
```

```
<400> 1048
tggaagatgg acgcaccctg tctgactaca acatccagaa agagtccacc ctgcacctgg 60
tgctccgtct cagaggtggg atgcaaatct tcgtgaagac cctgactggt aagaccatca 120
ccctcgaggt ggagcccagt gacaccatcg agaatgtcaa ggcaaagatc caagataagg 180
aaggcatccc tcctgatcag cagaggttga tctttgctgg gaaacag             227
```

```
<210> 1049
<211> 720
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 4, 28, 92, 108, 168, 183, 215, 226, 246, 262, 267, 277, 283,
296, 308, 311, 344, 347, 353, 362, 363, 369, 372, 376, 389,
```

415, 440, 455, 488, 502, 511, 513, 515, 550, 554, 557, 562,
573, 584, 593, 594, 611, 619, 620, 639, 646, 650
<223> n = A,T,C or G

<221> misc_feature
<222> 657, 669, 679, 685, 689, 693, 696, 700, 706, 714
<223> n = A,T,C or G

<400> 1049
tggnaaattt tgttaaataa ccggaacntt cactttatta gggggccgga aaattttggg 60
ggcccccctt ctttaggaat gggccattgg cnttccgaag cccgggcncc gccccagtgg 120
gtggaattgg gaattattct ttgccaagaa aatttccgcc cctttaancc gttggggtcc 180
ccnggcccga agggtcttga aaccaaaaaa ggaanttcct tggccntttg ccaaaaactt 240
caaaancccc ccaccttggc antcccnaat tgggccntta ttnaacccgc aaaatngtcc 300
tttcgggntt naaaaaactg ggaagggaaa gtgaaacact tggnaantaa aanaaaccgg 360
gnntttgcnt tnggtnaaaa cacacatcna ttttgcacct gggaacccaa aaccnaaatg 420
ggtttgttcg gtgccacccn accaaaattg actantttgt tggacttaac caacaatttc 480
ttgttgtnaa ccacaagggt cncttctttt ncntnggcca aattggggag ggcatggaaa 540
aatccaccgn aaanttnaaa anaaactgga atnatatttt tggntttggg ccnnttagaa 600
caaaaacccg naaaaaaann aattggaaat aaactttttnc ccttgnaatn ttttttncaa 660
ttaaaactna atttttttant ttttncctnc ccnggngggn cctttnaaag gggnaattca 720

<210> 1050
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 475, 530, 561, 562, 573, 578, 581, 595, 599, 608
<223> n = A,T,C or G

<400> 1050
aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaatgtt tatggttttt 60
attttttcaat ttttattttg gttttcttac aaaggttgac attttccata acaggtgtaa 120
gagtgttgaa aaaaaaattc aaattttttgg gggagcgagg gaaggagtta atgaaactgt 180
attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aagcaagtag 240
atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300
aagagaaagt ttttttcaaat ttctttcttt tttaatttag attgagttca tttatttgaa 360
acagactggg ccaatgtcca caaagaattc ctggtcagca ccacccgatg tccaaaggtg 420
caatatcaag gaagggcagg ccgtgatggc ttatttgttt gtattcaatg attgncttttc 480
cccattcatt tggctttttta gagcagccat tttacaaaaa cagtgtaagn tgaaacctgc 540
ttgttgccct tagcaaccaa nnttcaaaat tcntttanaa nccctttttaa aaacnacanc 600
ccttttttnag ggtggca 617

<210> 1051
<211> 366
<212> DNA
<213> Homo sapiens

<400> 1051
aaaacaggta caaaatattg aaatgaccaa cgttacatga tttcaagggt tgtcctttct 60
gtgctttttat ctgtcacgac aggaaggtgt ggaaagttta tatcgtttat atccttaatt 120

```
tgactactct tggatattaa aatctttcta ttaattaaaa agactttag acaacctctt 180
aaatggaatt acactatgga aaacagggct cccccaaaaa cacctaggca gaactgagag 240
ttctttgaaa accattccca ataaaaacta aatgaaaaat aaatataaaa caaagcttaa 300
aaaaatatgc attacctgac accaacctt tctggctgac aatatttatt catgaaaaca 360
tatcag                                                          366
```

```
<210> 1052
<211> 86
<212> DNA
<213> Homo sapiens
```

```
<400> 1052
aaaaattagt gtctcaaaaa ggggacatca taagggaaat acagggttta gaggtctgag 60
ctcaagtggt gtaagacagt tctttc                                     86
```

```
<210> 1053
<211> 488
<212> DNA
<213> Homo sapiens
```

```
<400> 1053
tttcctttt ggtacttatt actgctaagt atttcccagc acatgaaacc ttattttttc 60
ccaaagccag aaccagatga gtaaaggagt aagaaccttg cctgaacatc cttccttccc 120
acccatcgct gtgtgttagt tcccaacatc gaatgtgtac aacttaagtt ggtcctttac 180
actcaggctt tcactatttc ctttaaaatg aggatgatta ttttcaaggc cctcagcata 240
tttgtatagt tgcttgcctg atataaatgc aatattaatg cctttaaagt atgaatctat 300
gccaaagatc acttgttgtt ttactaaaga aagattactt agaggaaata agaaaaatca 360
tgtttgctct cccggttctt ccagtggttt gagacactgg tttacacttt atgccggatg 420
tgcttttctc caatatcagt gctcgagaca cagtgaagca aattaaaaaa aaaaaaaaaa 480
aatccctg                                                        488
```

```
<210> 1054
<211> 204
<212> DNA
<213> Homo sapiens
```

```
<400> 1054
aaaggagatt tacttttact gcagctcttc ttgcccatca actgtccaaa aacaaaagac 60
taggaaacag acccagcagc ctccacccga cccagccaca gggcctcaag cctccaatca 120
gagccgctcc atggcacccc tcagctcagc tcagtgttgc ctgggagcaa aaggctcgga 180
gacaaagccc agagggtgag cagg                                       204
```

```
<210> 1055
<211> 528
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 430, 435, 499, 506, 526
<223> n = A,T,C or G
```

```
<400> 1055
ctgttattta tgtggctcat gatgcttatt gagcaatctg caaaaataga tttcctgtct 60
```

```
cacacaggac agggtagatt tccagcaagc ataatcaaaa tctccaagtc ttttggtcaa 120
attagagctg ccaccatgca cgaggtttta cttaaaggtg tttactgatg aataaactca 180
cacttctgtg aactggttct tgcttcttgt gcagctaact ctttccacct ctctttgttc 240
tgctgaatga tgtccaccag gttgttcttg aaactcttca ggtccactgc tgcaagggag 300
tagtctgggg aataggaccc atcactcatg gagccttttg tatttgatcg tcttaatgca 360
tcagcaatgt gtaacccccc aatggtggtt gagctgcttg ccacataaga aagaagtttc 420
ggtttttgan gcttnctcta taagaagaat aacaattttc tctgttgagt ctgcaaaaaa 480
aaaaaatgtt ggcaccttnc ccggcnggcc gttcaagggc gaattnca       528
```

<210> 1056
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 357
<223> n = A,T,C or G

<400> 1056
```
ccaccgggat agccgggggt ctggcaggaa tgggaggcat ccagaacgag aaggagacca 60
tgcaaagcct gaacgaccgc ctggcctctt acctggacag agtgaggagc ctggagaccg 120
agaaccggag gctggagagc aaaatccggg agcacttgga gaagaaggga ccccaggtca 180
gagactggag ccattacttc aagatcatcg aggacctgag ggctcagatc ttcgcaaata 240
ctgtggacaa tgcccgcatc gttctgcaga ttgacgatgc ccgtcttgct gctgatgact 300
ttagagtcaa gtatgagaca gagctggacc tgcccgggcg gccaagggcg aattcancac 360
acttggcgcc gttctagtgg atccagctcg tccaacttgc gtaatcatgg catactgt   418
```

<210> 1057
<211> 281
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 46
<223> n = A,T,C or G

<400> 1057
```
gattgtgtgt ntgtatgttt aatataacat gacatgcact aggacntctg ccttttttaag 60
gcagttccgt taagggtttt tgtttttaaa ctttttttttg ccatccatcc tgtgcaatat 120
gccgtgtaga atatttgtct taaaattcaa ggccacaaaa acaatgtttg ggggaaaaaa 180
agaaaaaatc atgccagcta atcatgtcaa gttcactgcc tgtcagattg ttgatatata 240
ccttctgtaa ataactttt ttgagaagga aataaaatca g          281
```

<210> 1058
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447
<223> n = A,T,C or G

<400> 1058
ccctggtccc cctggccctc ctggacctcc aggtgtaagc ggtggtggtt atgactttgg 60
ttacgatgga gacttctaca gggctgacca gcctcgctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtggttact actggattga ccctaaccaa ggatgcacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggcccaacc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caagggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat 456

<210> 1059
<211> 365
<212> DNA
<213> Homo sapiens

<400> 1059
ccagaaggga agtcatccac aaagacctgg ctgccaggaa ctgtgtcatt gatgacacac 60
ttcaagttaa gatcacagac aatgccctct ccagagactt gttccccatg gactatcact 120
gtctggggga caatgaaaac aggccagttc gttggatggc tcttgaaagt ctggttaata 180
acgagttctc tagcgctagt gatgtgtgga cctttggagt gacgctgtgg gaactcatga 240
ctctgggcca gactccctac gtggacattg accccttcga gatggccgca tacctgaaag 300
atggttaccg aatagcccag ccaatcaact gtcctgatga attatttgct gtgatggcct 360
gttgc 365

<210> 1060
<211> 281
<212> DNA
<213> Homo sapiens

<400> 1060
cgcgagcgaa cgaccaagag ggtgctcgac tgctagagcc gagcgaagcg atgcctaaat 60
caaaggaact tgtttcttca agctcttctg gcagtgattc tgacagtgag gttgacaaaa 120
agttaaagag gaaaaagcaa gttgctccag aaaaacctgt aaagaaacaa aagacaggtg 180
agacttcgag agccctgtca tcttctaaac agagcagcag cagcagagat gataacatgt 240
ttcagattgg gaaaatgagg tacgttagtg ttcgcgattt t 281

<210> 1061
<211> 82
<212> DNA
<213> Homo sapiens

<400> 1061
ccacaggtga tcctcccacc tttgtctccc aaagtgttga ggtaaaaggc atgagccacc 60
acactcggcc aatctaattt tt 82

<210> 1062
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 359, 435, 470, 490, 508, 527, 542, 551, 567, 568, 574, 585,

586, 590, 607
<223> n = A,T,C or G

<400> 1062
gttgaataga tgggggatcc agagccaact caggcccccc tactcccaaa tgtcatcaaa 60
cagattgaat tcctaagggc agatgggagc aatgggacgc cttgacctct cagtctcttc 120
acttgcagtc atcatgtgga accgtggcct gtaccaaaac agtacctgat gaaagctgcc 180
attacagtat acaactgcac cccaggcctg cctcatacca aatcattctc cttcctttcc 240
aggtacgagt gcttccatat ccatttaccc accattggca atttgaaagg accatccaga 300
cccccatagg atccacatgg aacacccaga gggctttcca aaagctgact actcccaang 360
tcgtcaccaa gccaggccat atcattaacc ccataaaagc agaagacgtg ggctacccgg 420
tcttcctcaa ggtcnggacc tgtctgtcat acagaaggaa ttccaaaacn aaatcaccca 480
caccgtcacn aaaaaacaaa ccttcccngg gcgggccgct tccaaanggg cgaaatttcc 540
ancacacttt nggggggccgt tacttanngg gatnccaact tcggnncccn aaccttgggg 600
gtaaatnatt ggg 613

<210> 1063
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 156, 163, 167
<223> n = A,T,C or G

<400> 1063
gagaattact tcaaattgag taattcagaa aaactcaaga tttaagttaa aaagtggttt 60
ggacttggga acaggacttt atacctcttt tactgtaaca agtactcatt aaaggaaatt 120
gaatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangccc ccncccnggg ggg 173

<210> 1064
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 372
<223> n = A,T,C or G

<400> 1064
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact ccttctacat 60
tatattcaaa ctggctgcca gcattgatag tttctcctag ccagacgtgt ttcttgtcct 120
tggagctcct ataccagttc ttggctggga tgttttcagg ttgggcccgg atacaggttt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcatcct tggttagggt 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctgggtt ctttctagag ccttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac 379

<210> 1065
<211> 280
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 252
<223> n = A,T,C or G

<400> 1065
atcagaattg ttgacttgca ttcagaacat aaatgcacaa aatctgtaca tgtctcccat 60
cagaaagatt cattggcatg ccacagggga ttctcctcct tcatcctgta aaggtcaaca 120
ataaaaacca aattatgggg ctgcttttgt cacactagca tagagaatgt gttgaaattt 180
aactttgtaa gcttgtatgt ggttgttgat cttttttttc cttacagaca cccataataa 240
aatatcatag tnaaaaaaaa aaaaaaaaaa aaaaaaaaaa                        280


<210> 1066
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 392, 443, 453, 464, 474, 539, 552, 580, 581, 583, 592
<223> n = A,T,C or G

<400> 1066
aaaggctttt tattaggaac caggggaatg agctgcttat ccctctataa cagtctagag 60
caggtcatca ggcccaggat ggagagaggt tatcaaaggt gctgtggtgt gctttgctgc 120
acgtgcttag ggcctggaag gaaaggtggt ggcaacagag gttggcagga actggtgtta 180
gtcaaaacac caaaatcctg ggggagagcc cctctacctt ccttctaact ccacttgagg 240
tgggagcatt ccaggagaca gagaatgtga ccaggatgca gcagtgtcat ctgaacccct 300
ggcttcgttc agtgctactt cacttgccag ccctccactc ttcttgcctt ttagtgatta 360
ggtatttgaa gaactcatac acagaccatg cnatggctgt ggaggggatc tggtaaatta 420
ctctggctgc ccctcggaaa tangcggccc ccnctcttga tatncgcctg aagnactacc 480
atcctgtatt gctgtatgtg tagtcaaacc agactctggg tgacatgttt gaactccang 540
ggtgggtggg antcactctc cactcaaaga ctgactggtn ncnttgggta ancctcgat 599


<210> 1067
<211> 138
<212> DNA
<213> Homo sapiens

<400> 1067
aaaaagtctt ctccagtctt ccaactgtga gtccttgggc ctgttgacaa atgttaaaca 60
cactgagacg tcctgaactg gatggtagag tcaaaggaaa aacattcccc atttgcaaca 120
aaggagaaac ccacttgg                                               138


<210> 1068
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1068
aaaattcagc aaaatcatac gccatctacc gtgatgactg ccaactccat ggcagaccct 60
ttctgggatt caaaaaccaa ttcatcagat cgctgcctct gagggatgta cagattggct 120
ggggagctga gtgctacaat aaaggaggaa gtaccgggga acagtgcagg gcaaaggcag 180
```

```
gaaagagatc tgagctgcct ggagatcatc tggggtgcgg agtacaaagc tttgcaaggg 240
tgtggttttg gaatgacgct aaactgaagg tggagagaac agataaaaag gttggaagtt 300
gcac                                                              304
```

<210> 1069
<211> 375
<212> DNA
<213> Homo sapiens

<400> 1069
```
ctgcatatac aattttctaa aagaaaatcc taaaggtggg ttcttattgt atatggaaca 60
gtgaccccaa gtggatttgc acaacccttg ccagagaagt tcatcattcg caaggtcctg 120
ccaaacacat gaagccaagc aaaggtcagt tgcattcagg taggacaaga tggtaaagct 180
tagctcagga ggcaacattt ccaaattaat gaatccttcc tgttctttcg atttccttgc 240
cttcaaaaga tgatatatgt caatgcctcc ttggacttgt ttacgatgat tggtgttaga 300
aatgttgctc gcagccattc tcctgctctg ctctctggtg aggtagcctt gctcactgta 360
gccttcttgt tgcag                                                  375
```

<210> 1070
<211> 140
<212> DNA
<213> Homo sapiens

<400> 1070
```
ggggtttggt ttgctttggt ttatattttt tcagttgttt gttttttgctt gttatattaa 60
gcagaaatcc tgcaatgaaa ggtactatat ttgctagact ctagacaaga tattgtacat 120
aaaagaattt ttttgtcttt                                              140
```

<210> 1071
<211> 366
<212> DNA
<213> Homo sapiens

<400> 1071
```
ctgaaacaaa ttatggatca attacgaaat ctcatctggg atataaatgc catgttggca 60
atgaggaact aagctgatat ttaaatttcc tgctttacac atgttatacc attgtttttt 120
ccctcaagta ttttttccct gtgaagaaga ttatttatct gcttttattt tagtcactaa 180
aactaaagtt tttattttta cattgtgatt tttacattaa aatattaact ttttttaatg 240
ctattttatg aaagattatt gtaataaact ttgatggggt ttgtattttg gttaatcttc 300
atgaattgaa taattgtttt tttaaagcaa aataaagttt tttaaataaa tggaaaaaaa 360
aaaaaa                                                            366
```

<210> 1072
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 395, 415, 422, 432, 494, 504, 512, 516, 520, 549, 552, 562,
581, 595, 599, 603, 618, 625, 636, 637, 640, 646, 650, 654,
675, 678, 680, 695
<223> n = A,T,C or G

<400> 1072
cagaattcta gaaatttggc agacagtgga agcctttaat tgaacttact ccttcgttga 60
ctgaaaggag ttttaaattc tgagctcctg agatactgac tagcaaccat ggaatgaatg 120
tgtgaccaga aagtggcttt gacaccaagt gctactgtcc ctttgtaatt ggcttctaac 180
agattcaacc agaaataatt gataatgtga atttttgtta attgttcact tgtaggaaaa 240
tagaacatgt atcacccttt gttaggtaga catgaacttt tcctgcataa agccttgctt 300
ttagagaatg cccaataagg caagaaaaag catagtaact tgtgctttga gagctcaata 360
tttgtatctt atcagtacag aagaaatatt tctgngtaac ttgatcttct gctangactt 420
gncttatagg gnaccaacac tgaaaacttt tgtagtgatg actaccaaag aaaatccttg 480
taaaacaccc tttntttcca attngtaaaa anccancccn tggtgcttgt tcatgaattc 540
cttctcaana ancctttgga anaaaattaa ggggttcta ngggtttttgg ggaantttng 600
gtngggtttt tcttttgntt tttangggtt ttttttnnttn tttaantttn gaanaaaaaa 660
taacccaaaa acttnggngn ggacccctta agggngaatt cccc         704


<210> 1073
<211> 628
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 417, 419, 439, 483, 515, 518, 520, 548, 554, 572, 584, 590,
591, 600, 611, 623
<223> n = A,T,C or G


<400> 1073
aaattttaga aaacctgtat aaattactgg tgcataactt aaagattatt ctgcctttgg 60
ctaattgagt aattccccte cagcactaga gaccgctcag tgctcttact agatgaactc 120
agtaacgcct tgagctgggt tgattgagga tgtgtgaaaa gctcacagag cccgatgcct 180
gctgctattt cacggcaatg agccttttc tttctacact gaagattttc ttcttattta 240
atgtggttta ttttgggctc agaaataatt gctctgttga aaataatcct ttgtcagaaa 300
agaaggtagc taccacatca ttttgaaagg accatgagca actataagca aagccataag 360
aagtggtttg atcgatatat taggggtagc tcttgatttt gttaacatta aaataangng 420
acttttcccc tgcttttang aataaaatca aagatacttc tatattttat cctatagaca 480
tantattata aatgtagtga gtctgctggg actcntgngn aagaacctga atatagatat 540
agaaacanta tttntaactg gtgcggatca anagactaat atanaacttn nttggaaatn 600
actcttttaa ncttttttga acngggga                           628


<210> 1074
<211> 162
<212> DNA
<213> Homo sapiens


<400> 1074
aaatttttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcatcttaag tttccaaata cttttgaagg ctaatgcagc ag               162


<210> 1075
<211> 157
<212> DNA
<213> Homo sapiens


<400> 1075

```
ctgcaaacca gggaggaaaa tcatctggcc cctgctctga ggacagacat gtgctaccag 60
gcccactggc ctggacctga aaggccagcc acgcccccgc ttggccctga ggtgcatggg 120
gtgtggcaca caccctaacc tgtgctattc accttgg                            157
```

```
<210> 1076
<211> 293
<212> DNA
<213> Homo sapiens
```

```
<400> 1076
aaatgtaggt ggcgtatgtg ttcgtgtttt aatgtattca gagccattgg gcaataagca 60
gtccagaaca ttgaaaactc aagcaggtaa agcacctaac acccttagtt tctagaatta 120
ctttaaaaaa cttttatatt gctgcatctt ccacagttct ttgggtagtc tctgaactta 180
aaatttgtag gagttgtaga ctacctaaat ttttaagtta tggtatttgt tcataggttg 240
taggggtagg taaagaagga aacagacaag aaaatggctt cttgaggtgg cag          293
```

```
<210> 1077
<211> 587
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 5, 427, 445, 468, 494, 532, 550, 561, 565, 570, 572, 579
<223> n = A,T,C or G
```

```
<400> 1077
aaagntattt tagtcatgaa attttatatg cagagagaaa aagttaccga gacagaaaac 60
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120
aaacctgtca gtgctccaca ccagggctgt ggtcctccca gacatgcata ggaatggcca 180
caggtttaca ctgccttccc agcaattata agcacaccag attcagggag actgaccacc 240
aagggatagt gtaaaaggac attttcccag ggctacctta tcaaggacgg caagctgatc 300
aagaacaatg cctccactga ctatgaccta tctgacaaga gcatcaaccc tctgggtggc 360
tttgtccact atggtgaagt gaccaatgac tttgtcatgc tgaaaaggct gtgtggtggg 420
aaccaanaag cgggtgctca ccctncgcaa gtccttgtgg tgcagacnaa gcggcaggct 480
ctggaaaaaa tgancttagt tcttgaaccc ctccagttga ctgccggcgg cntcaaaggc 540
aatcaccacn tgcgcgtcta nggancactn gncactggna tatgcta              587
```

```
<210> 1078
<211> 377
<212> DNA
<213> Homo sapiens
```

```
<400> 1078
ccaggagata gagcacaata ggagagatgc tgaggaactt gcgggaagag gtaaactgga 60
gcccatagtc catttgctcc cagtgtgtca gtagccgagc ctttccttgg tcaggagtct 120
caaagggtgt ccctttcacc gtatgaagga agacatacgt agccaggtta tggatgacgt 180
tggtcagggt ccagacaaca ggaatgctga agaaggggat gctgagtaga accatatgca 240
gcaatcctac caagatgatg taggccagcc agatgcctcg gctattcatc actcgggtgt 300
tggggtttac ttcgctgtgt gccacccca cattcatcct gccagctcag atccccgtcc 360
ggctatgggc gcggcgc                                              377
```

```
<210> 1079
<211> 312
```

<212> DNA
<213> Homo sapiens

<400> 1079
atcagacaag gcaaagcgaa attggtcatt ctcgctaaca actgcccagc tttgaggaaa 60
tctgaaatag agtactatgc tatgttggct aaaactggtg tccatcacta cagtggcaat 120
aatattgaac tgggcacagc atgcggaaaa tactacagag tgtgcacact ggctatcatt 180
gatccaggtg actctgacat cattagaagc atgccagaac agactggtga aaagtaaacc 240
ttttcaccta caaaatttca cctgcaaacc ttaaacctgc aaaattttcc tttaataaaa 300
tttgcttgtt tt 312

<210> 1080
<211> 307
<212> DNA
<213> Homo sapiens

<400> 1080
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctcctgttca atcgtttctt tggaaggcag tggatttttc tcttgcgtct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
acatggttgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
cagtggc 307

<210> 1081
<211> 317
<212> DNA
<213> Homo sapiens

<400> 1081
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaatgtac 120
aaagatgttt tccactttt tcaattttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300
gatagatcca gtggttt 317

<210> 1082
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 346, 361, 381, 389
<223> n = A,T,C or G

<400> 1082
gggcggcggc gcggttttt atggtgacac aaatgtatat tttgctaaca gcaattccag 60
gctcagtatt gtgaccgcgg agccacaggg gaccccacgc acattccgtt gccttacccg 120
atggcttgtg acgcggagag aaccgattaa aaccgtttga gaaactcctc ccttgtctag 180
ccctgtgttc gctgtggacg ctgtagaggc aggttggct tggcgagtcc gtcctttctt 240
tattctggca ggctttggtt tggggatgta ctgattattt gcctggtact cgagttcttt 300
acggaagtag tgaattgctt tgtttacctg cccgggcggc cgctcnaaag ggcgaattca 360

ncacactttg gcgcgtacta ntggatccna ctcggaccaa cttgcgtaat catggcatac 420
tg                                                                422

<210> 1083
<211> 162
<212> DNA
<213> Homo sapiens

<400> 1083
ctgctgcatt agccttcaaa agtatttgga aacttaagat gaactacatt tcttgcaaag 60
tacattcctt tctgtggtat tttgtcctgt aactgaagta tagtaattat tttatggaaa 120
tgttagcaat tctgtaccaa ctttgaataa aatgaaaaat tt                   162

<210> 1084
<211> 579
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 427, 454, 457, 481, 534, 539, 548, 551, 555, 558
<223> n = A,T,C or G

<400> 1084
aaagttattt tagtcatgaa attttatatg cagagagaaa aagttaccga gacagaaaac 60
aaatctaagg gaaaggaata ttatgggatt aagctgagca agcaattctg gtggaaagtc 120
aaacctgtca gtgctccaca ccagggctgt ggtcctccca gacatgcata ggaatggcca 180
caggtttaca ctgccttccc agcaattata agcacaccag attcagggag actgaccacc 240
aagggatagt gtaaaaggac gttttcccag ggctacctta tcaaggacgg caagctgatc 300
aagaacaatg cctccactga ctatgaccta tctgacaaga gcatcaaccc tctgggtggg 360
ctttgtccac tatggtgaag tgaccaatga ctttgtcatg ctgaaaggct gtgtggtggg 420
aaccaanaac cggtgctccc ctcccaagtc cttntgngca acaaacgcgg gctctgagaa 480
natgacctta gttcttgccc cctcaattga ctgcccggcg cgtcaggcaa tcanccttng 540
gcgtctanga ncacncgnca cttgcgatat gctatgttt                      579

<210> 1085
<211> 334
<212> DNA
<213> Homo sapiens

<400> 1085
aaaacttctc caatacatta aaactttttt tctcgccaca tagcacttct ttcttgcctc 60
tttcatttct gctcctggtg ttgcctgcct cctgcaagac ccagatgaag aaaccttttc 120
aatggtcgag atctgagact tggagctgga ggggctgaag gcttgaagga aggtggttac 180
tggtcaaaag gagaagttca tttgcacaaa aatataaact ggggaggatg agaccagcac 240
atacacgtat ggattgatct acaatccata taaaaaaata gacccaaatt gtcattttac 300
atttgcaata ttatacaaaa taatatatat tttt                           334

<210> 1086
<211> 235
<212> DNA
<213> Homo sapiens

<400> 1086

```
aaagctggct caagactggc ccaggcataa tactgtcaat ctaaaggtaa ccggcaacat 60
caaaaagtac atctcaaaag aatcaggctt aaagataaac aggagaactg gaaatatcta 120
agagtaagaa gtgtaaacaa tagaaaagag gtagggttta gggttctcat cttgggattt 180
ccccaggtct tcaagcttct atccttcctg ggttctgggt catgggcctc cagat      235
```

<210> 1087
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1087
```
gacaaagaag cgaaaagtag atggtttgag cacagaggca gagcagccct tcattccggt 60
agaggtgctc gtagacctgt tcctcaagga aggtgcctgt gatgaattgt tctcctacct 120
cattgagaaa gtgaagcgaa agaaaaatgt actacgcctg tgctgtaaga agctgaagat 180
ttttgcaatg cccatgcagg atatcaagat gatcctgaaa atggtgcag          229
```

<210> 1088
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 16
<223> n = A,T,C or G

<400> 1088
```
ccattacaaa gacacnggaa tatgttaaga agtgaggggc aggatgaaat catctagggt 60
aggtatttag agggagggcg ccgtgcaaaa taaaatcctc actatgaaac aaaggcggag 120
gcaggaggct gcgttaggtg gaagcagcgg aggaaggaga cgaaagggat tgtcattttc 180
atgtcgtggc tttttagaag acagccatgt cctctactct gattctatca aaatgtgttc 240
tcggggtgct ggtaacgttc agccaacgaa ataattccta tggcggcagt aggaataaca 300
aaacgcggaa gcgggaacga tgtcttttta ttcc                          334
```

<210> 1089
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 425, 434, 449, 473, 475, 512, 525, 537, 549, 556
<223> n = A,T,C or G

<400> 1089
```
ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60
aggactcaat atcaggagaa cagcactgag cgggtggtgc taaaccgttt gtgaggactc 120
tgccccataa tcccatcgcc tcccaccagg gggcttacat ttcaacatga gactcggtga 180
ggacacagat ccaaaccaca tcaatagtgc tttcatgctt ttgattatct tttgtaacta 240
tgttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300
ggtcttaagc atattcagag ttgtgtgacc atcgctacag tcaattttag gacattttta 360
tcactgcaaa agaaagacct caatcttccc attccttcca tcccgaaaca accctaatct 420
acttnctcta tatnggagaa tttgcttant tctggacatt ttaccttgcc ccngnggggcc 480
gcttcaaagg gcgaaattcc accacacttt gnggccggta cttantggat cccaacntcg 540
```

```
gtacccaanc ttgggngtaa atcatgggca tta                              573
```

```
<210> 1090
<211> 290
<212> DNA
<213> Homo sapiens
```

```
<400> 1090
cccagaccag gaattcggct tcgacgttgg ccctgtctgc ttcctgtaaa ctccctccat 60
cccaacctgg ctccctccca cccaaccaac tttcccccca acccggaaac agacaagcaa 120
cccaaactga accccctcaa aagccaaaaa atgggagaca atttcacatg gactttggaa 180
aatatttttt tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgaccaaaa accaaaagtg cattcaacct tacaaaaaaa aaaaaaaaaa         290
```

```
<210> 1091
<211> 282
<212> DNA
<213> Homo sapiens
```

```
<400> 1091
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtacacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtcaat ccagtactct ccactcttcc 240
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc gg                 282
```

```
<210> 1092
<211> 249
<212> DNA
<213> Homo sapiens
```

```
<400> 1092
ccaagttaat gaggtcacgg ccagagcggt ggagaactcg actgcataga ctagaccatc 60
cggaccaacg atgccagaga catgggagac cgtggtgccc gaggcagccc cgaggtagag 120
aaccttagcc cccggtttga tgtggatctg gtccacacca cccaggattg ctgctgctag 180
cttggagcgg aaggggttcc aggctcggta ctcaattttg tcatctcctt ccgaaatcga 240
gactctctt                                                     249
```

```
<210> 1093
<211> 426
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 276, 297, 311, 350, 357, 361, 363, 367, 386, 413, 418
<223> n = A,T,C or G
```

```
<400> 1093
aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60
ccaggtcctc tgatacccag agcattacgt gagccaggta atgagggact ggaaccaggg 120
agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180
gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240
ggtaaaagtg tgagcagtga gttacagcga gaggcngaga aagatagaca tgagggnaag 300
```

```
ggccatgctt naagggacct tgaatgggta aagaagtttg atatttaagn agttaanaat 360
ntntatntct ccaaaagagg ctggtncttt gggaccttcg gttcttacca ccnttaangg 420
cgaatt                                                              426
```

<210> 1094
<211> 211
<212> DNA
<213> Homo sapiens

<400> 1094
```
aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60
agttcattat aagctacaac actttgcaaa taagtatcca gtttaattgt aacaaaccac 120
aatttgtgag caaatttaag aatataaaaa acattaatta gttaaataca attctctggg 180
aatatacatt atacctacag acctgcccgg g                                 211
```

<210> 1095
<211> 437
<212> DNA
<213> Homo sapiens

<400> 1095
```
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa attttttaaa aaatacacca cacgatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atctctgtct 360
aggtcagcac ctaacaatgt ggatcacact catggggaaa gtgttttgag gtagtttacc 420
tcggcccgcg acccacg                                                 437
```

<210> 1096
<211> 237
<212> DNA
<213> Homo sapiens

<400> 1096
```
caggtctttc tttatataat cgtttgcatt ttgttacttg ctaccctgag tactttcagg 60
aagactgact taaatattcg gggtgagtaa gtagttgggt ataagatctg aacttttcat 120
ctgcagaggc aagaaaaata tttgacattg tgacttgact gtggaagatg atggttgcat 180
gtttctagtt tgtatatgtt tccatctttg tgataagatg atttaataaa tctcttt     237
```

<210> 1097
<211> 297
<212> DNA
<213> Homo sapiens

<400> 1097
```
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgctttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatcaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc ctgcaattaa accaagg     297
```

<210> 1098

<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349, 428, 492, 513, 532
<223> n = A,T,C or G

<400> 1098
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
ggtattaggg ataatattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgatgacac ccaccgcaac tgtctgtctc 180
atatcacgaa cagcaaagcg acccaaaggt ggatagtctg agaagctctc aacacacatg 240
ggcttgccag gaaccatatc aacaatggca gcatcaccag acttcaagaa tttagggcca 300
tcttccagct ttttaccaga acggcgatca atcttttcct tcagctcanc aaacttgcat 360
gcaatgtgag ccgtgtggca atccaataca gggggcatag ccggcgctta tttggcctgg 420
atggttanga taatcacctg acagtgaacc agactcggcc gcgacccgct aagggcgaat 480
tccacacact tngcggccgt tcttatggat ccnactcgga ccaacttggc gnaatatggc 540
ata 543

<210> 1099
<211> 142
<212> DNA
<213> Homo sapiens

<400> 1099
gcagaggcta cgccgtctgc aggacaggtc cctcgcccag cccatcacca ctgaagaggt 60
ggtcatcgcg gccacattgc aggccccctc cacatcccgc ttcgcctccc ttcaggactc 120
caccccggct cccggacgcc ag 142

<210> 1100
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 542, 568, 574, 595, 620, 636, 652, 676
<223> n = A,T,C or G

<400> 1100
aaaatgtagc aaagagtcat ttactactct cagaagtggc acatacatgg catagaaaac 60
aatctatagt cagttaacta ttaaaacaga aacttgaaat ttaagtgaca aacatttgta 120
gcactcccta aagaaatagg aaataaaaat gcatttatcc atatgaactt gattattctg 180
aattactgac tataaaaagg ctattgtgaa agatatcaca ctttgaaaca gcaaatgaat 240
tttcaatttt acatttaatt ataagaccac aataaaaagt tgaacatgcg catatctatg 300
catttcacag aagattagta aaactgatgg caacttcaga attatttcat gaagggtaca 360
aacagtcttt accacaattt tcccatggtc ttatccttca aaataaaatt ccacacacta 420
tcaaactaaa tcaagatttg ctagtggata aaattaccat aaatatcccg tactctctct 480
gaaacagcta caaacatctt ggttttttgca aaaatataca atggtttctc aatctttctg 540
gnccttatct caatttggca aaaaatantt ttgnaaacaa atcttccttt taaanggtaa 600
ttcttggtaa aagaaggggcn aaatcttttt aaaatncccc atgcttaaaa tnttgacctt 660
gcccggggcg ggccgnttta aaggggggaaa ttccaaa 697

<210> 1101
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 372, 397, 405, 419, 445
<223> n = A,T,C or G

<400> 1101
aaatctcaga cctgggaaat ggactataca cagccttcta ggggagaaga gaaatgcctt 60
agatgttctg acagcactgc acctttggct tgttttcagt ggttggtgga acatgaatag 120
gaaccacatt gttgcttgga gacatgtcat tttcgcgtct gtctgacatt tgcttctgag 180
aaacaatgcg gtaaatctct gttaaaattg tctgaaaagc agcttctaca tttgtagagt 240
ctagggccga agtttcaatg aatgacaaac cattcttttc tgcaaaagct cttgcttcat 300
ctgtaggaac tgccctgaga tgacgtagat cactcttatt gcccacaagc atgacaacaa 360
tgttactatc ancatgatct ctcacctgcc gggcggncgt cgaanggcga attccaccna 420
cttgccggcc gtactaatgg atccnactcg gaccaacctt ggcgtaatca tggcata 477

<210> 1102
<211> 229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 210, 222, 226
<223> n = A,T,C or G

<400> 1102
gtttaatgtg ttgtaagacg tagagtttat ctcaagctgt taaaaatggt aatgtacaaa 60
tgtgaataga cacttatcta tataatatgg gtaagttttg tttcgcctat aatagatgtt 120
tataaaaaca agtgagggga cagttggtct ttttatcttt tctttctttt tctttctttt 180
cttttttttct tttttttttt ttttttggn ccccccccggg tnccccnttt 229

<210> 1103
<211> 185
<212> DNA
<213> Homo sapiens

<400> 1103
aaactactga actgttacct aggttaacaa ccctgttgag tatttgctgt ttgtccagtt 60
caggaatttt tgttttgttt tgtctatatg tgcggctttt cagaggaaat ttaatcagtg 120
tgacagaaaa aaaaatgttt tatggtagct tttacttttt atgaaaaaaa aattatttgc 180
ctttt 185

<210> 1104
<211> 258
<212> DNA
<213> Homo sapiens

<400> 1104

```
aaaacaggca caagtgcaaa caattcacaa aaatttctag ggaagatgct tttgtttttga 60
aaactctgac ccttaaaaaa aagtccttgc aatttctttg cccccaggta ggtcactagg 120
gagcagaaga atctaaaaat attatctaga tagaaagggt ccagacacct gaagttcttt 180
cctggaattc catctcacag cagccctgaa gtggggcagg gccgaggagg acaaggagac 240
agcagtctgt ggaggcag                                                258
```

<210> 1105
<211> 207
<212> DNA
<213> Homo sapiens

<400> 1105
```
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttt                                      207
```

<210> 1106
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 453, 459, 464, 470, 490, 495, 502
<223> n = A,T,C or G

<400> 1106
```
ccacccgttc tgctggcctg gatctcccca ctctaggggt caggctccat taggatttgc 60
cccttcccat ctcttcctac ccaaccactc aaattaatct ttctttacct gagaccagtt 120
gggagcactg gagtgcaggg aggagagggg aagggccagt ctgggctgcc gggttctagt 180
ctcctttgca ctgagggcca cactattacc atgagaagag ggcctgtggg agcctgcaaa 240
ctcactgctc aagaagacat ggagacccct gccctgttgt gtatagatgc aagatattta 300
tatatatttt tggttgcaat attaaataca gacactaagt tatagtatat ctggacaagc 360
caacttgtaa atacaccacc tcactcctgt tacttaccta aacagatata aatggctggt 420
ttttagaaac ataaaaaaaa aaaaaaaaac ttnggccgna accnccttan ggggaaatcc 480
acccactggn ggccnttact angggatcca actt                              514
```

<210> 1107
<211> 346
<212> DNA
<213> Homo sapiens

<400> 1107
```
ctcgaatccc cctagggctc aggcactgag ggcctgggga cagtggagca tatgggtggg 60
agacagatgg agggtaccct atttacaact gagtcagcca agccactgat gggaatatac 120
agatttaggt gctaaaccgt ttattttcca cggatgagtc acaatctgaa gaatcaaact 180
tccatcctga aaatctatat gtttcaaaac cacttgccat cctgttagat tgccagttcc 240
tgggaccagg cctcagactg tgaagtatat atcctccagc attcagtcca gggggagcca 300
cggaaaccat gttcttgctt aagccattaa agtcagagat ggaaaa             346
```

<210> 1108
<211> 215
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 188, 199, 205, 209
<223> n = A,T,C or G

<400> 1108
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcacctt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaa 180
aaaaaaantt ttcggggant aaaantaant tttaa 215

<210> 1109
<211> 273
<212> DNA
<213> Homo sapiens

<400> 1109
aagcaagatg ggtaagggct caggaagttg ctccaagaac agtagctgat gaagctgccc 60
agaagtgcct tggctccagc cctgtacccc ttggtactgc ctctgaacac tctggtttcc 120
ccacccaact gcggctaagt ctcttttcc cttggatcag ccaagcgaaa cttggagctt 180
tgacaaggaa cttcctaag aaaccgctga taaccaggac aaaacacaac caagggtaca 240
cgcaggcatg cacgggtttc ctgcccagcg acg 273

<210> 1110
<211> 304
<212> DNA
<213> Homo sapiens

<400> 1110
ccaagcactt caaacctcat gggttctcca gcgacaaggc taaggcgggc tcctccgaat 60
ggctggctgt ggatgggttg gtcagtccct ccaacaacag caaggaggat gccttctccg 120
ggacagattg gatgttggag aaaatggatt tgaaggagtt cgacttggat gccctgttgg 180
gtatagatga cctggaaacc atgccagatg accttctgac cacgttggat gacacttgtg 240
atctctttgc cccctagtc caggagacta ataagcagcc ccccagacg gtgaacccaa 300
ttgg 304

<210> 1111
<211> 104
<212> DNA
<213> Homo sapiens

<400> 1111
ctgcttctgc atttctcttc ctaaatttca ttgtgttgat ttctttcctt cccaataggt 60
gatcttaatt actttcagaa tattttcaaa atagatatat tttt 104

<210> 1112
<211> 374
<212> DNA
<213> Homo sapiens

<400> 1112
ctggcatgaa gaaggaatag agcatggaca cgccctggga cagcatggtg atctctaatt 60

```
tgtgctctgt cttaaaatag tcgaggaact gtttgagggt catctcctca ccattaggct 120
gcagcccttg tacctcaaag cgatcccaca atgtccactc ttggttatag tactggtgac 180
gtggtgcggc aaggggttca gagaaaccaa agaaaggcag ggccaagttg aggaaaccat 240
tcttgtagga gtcaagctgt cggtgcccct gcacaacctt gtacagctcc agacacacaa 300
ggccaaccac ggctgctgtg tcgtggcaa tggctgggat gatcttccct gcaatcagct 360
tgctcttgtg cccg                                                   374
```

<210> 1113
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 133, 135
<223> n = A,T,C or G

<400> 1113
```
ctggcacctg cctcccaggc cattctgacg tgtaaccgca tataggagcc cactggctga 60
gtagctacca tcatcgctgg tggggaaact ggtggtaggg gtgtgagggt aagtggggggt 120
gtcagcccgc cangnggtcg gaa                                         143
```

<210> 1114
<211> 335
<212> DNA
<213> Homo sapiens

<400> 1114
```
aaaagtccaa caacttttta atataaatta cgactctcaa acccattccc atcactttat 60
tagtgatggt agcatacata ttagagaagg tagctaaagg caagagagca ccaaaggaaa 120
aagactgtcc aaagaacagg tattagaatg aggccgaaga tcacggtgac cagagatttc 180
taggagtctc taacctttcc accctatcct gttaacccct tagatctcta gtataacact 240
caggctactg aggtatttta gagcaacaag ctgggttact ttcagagcaa ccagcttgac 300
tggaactgag agtaaattgg gaatgtatga ccaat                           335
```

<210> 1115
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 421, 422, 452, 467
<223> n = A,T,C or G

<400> 1115
```
gactacctt ggcccctgat tcaagagaag attaaagttc tggcagaagc cgggctttct 60
gagaccaatt tttcagaaat gacagaatcc actgattacc tctacaagga cccaaagcag 120
cagaagatct acgacctatt ccagaagtcc tttgagaaag aaggaagtga tatggagctc 180
ctggaagcag cagagtcctt tgacccagga agtgcttcag gaacatctgg aagtagttcc 240
cagaacatgg gagacaccct ggatgaaagc tcattgacag ccagtccaca gaagaaaagg 300
agatttgaat tttttgataa ctgggacagc tttcgtctcc ctgtaaaagg ggcaaaaaga 360
aaaaaataaa aaagcattta ccttgcccgg cagccgctca aggcgaattc agcacacttg 420
nngccgtact agtggatccg acctgggacc ancttggcgg aaacatnggc ataactgg    478
```

```
<210> 1116
<211> 563
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 476, 499, 520, 533, 557
<223> n = A,T,C or G

<400> 1116
cgaggtaaaa caatttacct cagaattcca agttgaagtt cccaaagtat attaaaaact  60
tctcaaatca ttaatttgaa tcagatgttc caaatcaaag gaattaaata ctctttttct 120
gggccaattg ataaatctga aactattttg aaatagtatt aagtgacaga aaagcaaaaa 180
tatatctttg ccttgtcttg atattttagc atgtacattt ttggtccaag gctggaatat 240
acaattagaa ataaaagcct tcttcatcat aaagcttagg atataaatta ttctgaggaa 300
tgaattccct aattactttt agttaattcc agtgaaataa gcaaacagcc ttggatattg 360
aaaactgttc taaagtgtgg taataatctt ctaagaatag caaacataac agaattaact 420
gagtatctga tgcctgagta ttttgctgtg cctgacaatc attatttacc tgcccnggcg 480
ggcgctcaag ggcgaaatnc aacacacttt gcggccgttn ctagtggaat ccnaactcgg 540
taccaaacct tggggggnaat cat                                       563
```

```
<210> 1117
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1117
aaatttctta atatgagaaa acaacaaggt aggttaggtt cgtataacaa acaatacacg  60
ctctataaag tctcaggaat acccaaatgt gttctggttt ggatatgaaa gagggaccac 120
ttctagctgg tgttggtaag caagccaatg aggtgtgcag caaacaaaac ctgtcactaa 180
aaacaactca acaggccatt atgagtatga gcccatcaca gccaaaatcc tcaactgtga 240
ccggcaggac cagcaagggg gggtgttgaa ggggttatga acagcaacca taaagaaagg 300
aatctccaac agaagggaca atgg                                       324
```

```
<210> 1118
<211> 214
<212> DNA
<213> Homo sapiens

<400> 1118
tcttggggtc tgtttctggt attttacaaa attgctaagt ggaatgcatg aattgcatta  60
tgttctctgg taacacgtag agttcagacc cttctgaact ctgttgataa taccacacca 120
tgttctggac ccatagctct ggcatcctca ggggttgtga tccagctcca tatattgttt 180
accttcaaag atacaattaa atggcttgat tttt                           214
```

```
<210> 1119
<211> 354
<212> DNA
<213> Homo sapiens

<400> 1119
aaaaaactga ccttccctta aggcctggtc atagaagtgt aaacaatgta aatgaatcca  60
```

```
ccattaccag ttgtcatatc atatctatgt cacctgtgta ttctgagatt acacacatac 120
ctgccaatat acctgggaaa ggttatttta tcacagttac acttgagttc ttggcaggca 180
ggactgagga agagtaattt gaaagaagct ttacatccta tttagaagaa atcactagta 240
tttccttaaa taacaggtta caatagaaag atactgcctg gaagttatcc tttcactttg 300
gttcattttt agtttttctt tatgatttac atagctgttt aattcatttg ctta        354
```

<210> 1120
<211> 123
<212> DNA
<213> Homo sapiens

<400> 1120
```
aaaactcgag gactgtattt gtgactaatt gtataacagg ttattttagt ttctgttctg 60
tggaaagtgt aaagcattcc aacaaagggt tttaatgtag attttttttt ttttgccccc 120
cat                                                                 123
```

<210> 1121
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 235, 346, 358, 363, 369, 390, 403, 406, 415
<223> n = A,T,C or G

<400> 1121
```
cctcgaggga gattgccagc accctgatgg agagtgagat gatggagatc ttgtcagtgc 60
tagctaaggg tgaccacagc cctgtcacaa gggctgctgc agcctgcctg gacaaagcag 120
tggaatatgg gcttatccaa cccaaccaag atggagagtg aggggggttgt ccctgggccc 180
aaggctcatg cacacgctac ctattgtggc acgggagagt aaggacggaa gcggntttgg 240
ctggtggtgg ctggcatgcc caatactctt gcccatcctc gcttgctgcc ctaggatgtc 300
ctcttgttct gagtcagcgg gccacgttca atcacacagc ccttgnttgg acctcggncc 360
gcnaccacnc ttaaggggcg aaatttccan cacacttggc ggncgnttct taagnggaat 420
cccaaacttc ggg                                                      433
```

<210> 1122
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 454, 480, 488, 489, 547, 555, 564, 569
<223> n = A,T,C or G

<400> 1122
```
aaatgtttta cttctttgat aaagcagagt acaatagaaa aaaaacaatt agtttccagt 60
aatatctata tctctaatca gaattaagtc ttccaagaca tattacctgg aaataaaagc 120
ctgttacaat aagcaaagct tcaaccagag cggctacttt tcgtgccagg aaaaagttca 180
tccctatagg aggaatgatg tgctatgtaa aatggctgta aggtcacagc cttgagggca 240
ttggaagtat attatcctat tccacattaa gtatttcagc gaatttcaaa catcagttta 300
tctgcaacca tgctggcaac ctttactgat atttcaatca accgggaaaa aataaattaa 360
agaaatccct tcacggatat tcccgtgatt tacactgtta aaaggtgcac tgttcattaa 420
```

```
catgtaattc tggtcagaat tacctttgag actncttgtc aaaatttggt taacagtaan 480
aatcttcnna aattcagttc ttataatcaa taatttgtca gcttaggatc ccctgcccgg 540
cggcctncaa agggnaaatt cccnccttng gggcgt                             576
```

<210> 1123
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 295, 304, 320, 328, 335
<223> n = A,T,C or G

<400> 1123
```
gaaagaagtc cctaagtgtg gatttctccc tgggaatgag aaagtcctgt ccctgcttgc 60
cctggttaag ccagaagtct ggactctcaa agagaaatgc attctggtga ttacatggat 120
ccaacacctg atccccaaga ttgaagatgg aaatgatttt ggggtagcaa tccaggagaa 180
ggtgctggag agggtgaatg ccgtcaagac caaagtggaa gctttccaga caaccatttc 240
caagtacttc tcagaacgtg ggatgctgtg gacctgcccg cgcggccgct caaanggcga 300
attncagcac acttggcggn ccgtctantg ggatnccaac tcggtccaag cttggcgtaa 360
tcatgggcat a                                                        371
```

<210> 1124
<211> 264
<212> DNA
<213> Homo sapiens

<400> 1124
```
aaaaaaaaat gtggaggaaa gtagaaattt accaaggttg ttggcccagg gcgttaaatt 60
cacagatttt tttaacgaga aaaacacaca gaagaagcta cctcaggtgt ttttacctca 120
gcaccttgct cttgtgtttc ccttagagat tttgtaaagc tgatagttgg agcatttttt 180
tattttttta ataaaaatga gttggaaaaa aaataagata tcaactgcca gcctggagaa 240
ggtgacagtc caagtgtgca acag                                          264
```

<210> 1125
<211> 214
<212> DNA
<213> Homo sapiens

<400> 1125
```
ttttcagagc tagctgaggt tttattttgg accaaaaaaa agcaattgaa ttgttttgta 60
gctggaggca tgggcaaggg gggtccccag gtagtaaact ccccaggtgg gctgagggct 120
agggctgagc ctcaggtggg tctcctgttc ccagtgctac cctgcatagc ggcctccttc 180
ccaggctctg gggcagcgca ggaggggtag gctg                               214
```

<210> 1126
<211> 119
<212> DNA
<213> Homo sapiens

<400> 1126
```
gggaaaagta actcgggccc atggaaacag tggcatggtt cgtgccaaat tccgaagcaa 60
tcttcctgct aaggccattg gacacagaat ccgagtgatg ctgtacccct caaggattt   119
```

```
<210> 1127
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 70, 148, 158, 159, 165, 201, 203
<223> n = A,T,C or G

<400> 1127
tgcccgtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa acactggtct  60
cgggcccgan aagacctcct ttttccaggc tttaggtatc accactaaaa tctccagggg 120
caccattgaa atcctgagtg atgtgcanac cttggcgnna ccacnctaag ggcgaatttc 180
aacacactgg gggcgtact ngnggatacc aaat                               214


<210> 1128
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 5, 15, 26, 37, 38, 45, 62, 97, 121, 125, 309, 335, 364,
447, 468, 519, 538, 544, 549, 551, 562, 580, 583
<223> n = A,T,C or G

<400> 1128
tganntcaga cccgnggatc ctctanagtc acctgcnngc atgcnatgct tgaagcggcc  60
gncagtgtga tggatatctg cagaattcgc ccttagnggg gtcgcggccg aggtgtacgg 120
nctgnggtac aagcagactc tgaagatgat cagacaaggc aaagcgaaat tggtcattct 180
cgctaacaac tgcccagctt tgaggaaatc tgaaatagag tattatgcta tgttggctaa 240
aactggtgtc catcactaca gtggcaataa tattgaactg ggcacagcat gcggaaaata 300
ctacagagng tgcacactgg ctatcattga tccangtgac tctgacatca ttagaagcat 360
ccanaacaga ctggtgaaaa gtaaaccttt tcacctacaa aattcacctg caaaccttaa 420
acctgcaaaa ttttcctta ataaaanttt gcttgtttta cctgcccngg cgggcccccg 480
ggcagggtgt tttgttaaaa aaaaattctg acaaatcana aaatggggggg tcaaggantg 540
gtgntgatnc naaaaatgga anccattggg tggggctttn tcngggggtgc c           591


<210> 1129
<211> 287
<212> DNA
<213> Homo sapiens

<400> 1129
aaaaagattg tgtgtatgta tgtttaatat aacatgacag gcactaggac gtctgccttt  60
ttaaggcagt tccgttaagg gtttttgttt ttaaactttt ttttgccatc catcctgtgc 120
aatatgccgt gtagaatatt tgtcttaaaa ttcaaggcca caaaaacaat gtttggggga 180
aaaaaaagaa aaatcatgc cagctaatca tgtcaagttc actgcctgtc agattgttga 240
tatatacctt ctgtaaataa cttttttttga gaaggaaata aaatcag              287


<210> 1130
<211> 131
```

<212> DNA
<213> Homo sapiens

<400> 1130
caggtccaca gctaacatca ttgcagcacc tttactcctt cggctgtgat ccaatctcca 60
gctcacttct ttttgccagc accaacattg gcctttgcag tccccctgac tttcttcatt 120
ctgttcttgc g                                                    131

<210> 1131
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 400, 438, 484, 532, 556, 564
<223> n = A,T,C or G

<400> 1131
aaacatgcaa aataactgac aataatgttg cacttgttta ctaaagatat aagttgttcc 60
atgggtgtac acgtagacag acacacatac acccaaatta ttgcattaag aatcctggag 120
cagaccatag ctgaagctgt tattttcagt caggaagact acctgtcatg aaggtataaa 180
ataatttaga agtgaatgtt tttctgtacc atctatgtgc aattatactc taaattccac 240
tacactacat taaagtaaat ggacattcca gaatatagat gtgattatag tcttaaacta 300
attattatta aaccaatgat tgctgaaaat cagtgatgca tttgttatag agtataactc 360
atcgtttaca gtatgtttta gttggcagta tcatacctan atggtgaata acatattccc 420
agtaaattta tatagcantg aagaattcat gccttctggt ggacatttat aagtgcattt 480
tatntacaat aaaaattttt cttttagaaa aaaacctcgg cgggacccct angggaatca 540
acccttgggc gtctanggac actnggccac tgggaa                          576

<210> 1132
<211> 386
<212> DNA
<213> Homo sapiens

<400> 1132
aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata ccttacaata cattagatcc ccaaaaggta ccaaaaagta cagtaaaatt 120
aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca caggtccagg 240
ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctgggggacc tggtaataaa 300
aatcagccca tgatggcgcc atggcctctc agacaccaca cgctgcctaa acacctagag 360
ctctggaaat agtcaacagg agagtg                                     386

<210> 1133
<211> 281
<212> DNA
<213> Homo sapiens

<400> 1133
ggcaggtaaa aagatccaaa tgtgactgag atcattccag cctgcacttt ttatttgtag 60
gcagaaggaa cgggataggt tgaggggcat gacgggggct ctcgccacct cttgtctgca 120
cctctggaac aggtgggagc cgaatcattc aagtcctacc tggtcagact cccaaccacg 180
ctgaggcagg cccttacctg gatggcctca tgggcctccc tcttgaaaag accctcactc 240

tgtttggaaa agatccctta gcagccataa tcaggaaaga g                              281

<210> 1134
<211> 332
<212> DNA
<213> Homo sapiens

<400> 1134
ccagtgagcc catcccgttc tctgatttgc agcaggtctc caggatagct gcttatgcct 60
acagtgcact ttctcagatc cgtgtggacg caaaagagga gctggttgta cagtttggga 120
tcccatgaag agaggggtcc ttggacagct cttctcctct cttcatccca tctctacccc 180
acccccttgg cccccagcct cactgcggct tatacagtac cctaacctgc tactaatcac 240
agagaaaaat gtgaagaagg aggagaagag gaaggctaga agcctgagca agtgagggta 300
gaaccttttg ggactggcct ttgaagctct gg                                       332

<210> 1135
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1135
ctgcccaatg ggagaataag cagacctggc tcagacatga atcatgtgct tggtgtactg 60
cagatgccaa actgcatccc cacaacccac cacgtagaca gcagacaggg ctggaagttg 120
attttttaatg ataaagtaca atgaagggag ggcagagggg ctaagcctag ctgtctgggg 180
tgctgtggtg gtggtagact ggctacacaa actgttgctg ctgctgctgc ttcttggtgg 240
ccgccttgct ggcgaggtcc ttggccttct ctgtagctgc cagtgccgtc tcctttgcct 300
tctccttggc ttcctt                                                         316

<210> 1136
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 342
<223> n = A,T,C or G

<400> 1136
ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgacccta accaaggatg 180
caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgctg agaagaaaca 300
cgtttggttt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tcctgaagat gtccttgatg tgcag                                               385

<210> 1137
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1137
cgcgagcctg agaagaggcc ccccaccgtg gtgtccaata cattcactgc cctgatcctc 60

```
tcgccgttgc ttctgctctt cgctctgtgg atccggattg gtgccaatgt ctccaacttc 120
acttttgctc ctagcacgat tatatttcac ctgggacatg ctgctatgct gggactcatg 180
tatgtctact ggactcagct caacatgttc cagaccttga agtacctgg          229


<210> 1138
<211> 232
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9
<223> n = A,T,C or G

<400> 1138
aaaacccana cttccaaagg tttaaactac ctcaaaacac tttcccatga gtgtgatcca 60
cattgttagg tgctgaccta gacagagatg aactgaggtc cttgttttgt tttgttcata 120
atacaaaggt gctaattaat agtatttcag atacttgaag aatgttgatg gtgctagaag 180
aatttgagaa gaaatactcc tgtattgagt tgtatcgtgt ggtgtatttt tt          232


<210> 1139
<211> 165
<212> DNA
<213> Homo sapiens

<400> 1139
cacaatacta atactgtagg aattggtgag gccttgactt aaaactttct ttgtactgtg 60
atttcctttt gggtgtattt tgctaagtga aacttgttaa atttttttgtt aactaaattt 120
ttttcttaaa ataaagactt tttcacaatg agaaaaaaaa aaaag          165


<210> 1140
<211> 191
<212> DNA
<213> Homo sapiens

<400> 1140
aaaaaatgga cttatctcta ttatacagag ttataatata aaaatgattt aaaggctata 60
tttttcagca tgtaggtagc tacactgtaa tcctgttgaa gaaactttcc tatttaagct 120
tataggatga aaatatataa ttaaagtctt ctgatcatag cttgagacca tcaagggaat 180
gtttagtttc c          191


<210> 1141
<211> 149
<212> DNA
<213> Homo sapiens

<400> 1141
aaaattaaaa atgtttttatt ggctattgcc tttaatagat ttactacaat aaaggaaagg 60
aatatttttc tcaaatgtgc taataagaaa aagacccagg aaactgaacg atattggaca 120
cagttttcag tgttttagac ataaataaa          149


<210> 1142
<211> 485
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> 249, 315, 353, 365, 386, 422, 448, 466, 468, 476, 480
<223> n = A,T,C or G

<400> 1142
gcccagagcc tggctgccca tcatgtggcc ccacccaatc aagggaagaa ggaggaatgc 60
tggactggag gcccctggag ccagatggca agagggtgac agcttccttt cctgtgtgta 120
ctctgtccag ttcctttaga aaaaatggat gcccagagga ctcccaaccc tggcttgggg 180
tcaagaaaac agcccagcaa gaattaaggg gccttaaggg cacttgggct tgttggttcc 240
atttgaaanc ccgactcttg gcccttggcc ctttactttg ctttcttcta acctcttcta 300
aggccctctt ccaantttgg caccttgtt cccccaaccc cttccacttc aanaaccttg 360
ccccnggggg ggcccgcttc gaaaangggc cgaaatttcc aaccaccact ttggcgggcc 420
gnttacttag tgggaatccc gaacttcngg tacccaaacc tttggngnta atcatngggn 480
ataag 485

<210> 1143
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 410
<223> n = A,T,C or G

<400> 1143
gtaagatggc ctctgattta cactggttca atttacaaat tttcaacttt atgataggtt 60
tatcagggta ctaaatgcat ttcaacttga tagtttcaac ttatgatagg tttaccagga 120
tgtagtccca ctgttgagga gcatctattt aggggttaat tactttagta ataagtggaa 180
agtaagatac cttgagtaat gtttgcctat aaaattgtca gcgtattttt acactattgg 240
ctcaagaatg ttataatgct aagggacata agttggcaac cacttggttt ttggaaggac 300
tttcggtatt gtattagaag tctgccctag ctgttaaatt tctgggtatt tatcctaagg 360
aattaattaa agagttaatt gttcctttct tcagtgggcc attgtttan atatttacct 420
gccccgggcg gcccgctcg 439

<210> 1144
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1144
ccttggttac acaactccag caaccgggcc ccaaatccac tatctgtgca atgcagcaca 60
tgcgcagcaa tgctattaaa ctgctcttgg agaaattcca ggtttgtccg gatgatgtcc 120
acacctggct gaacctgcac caaggaaaaa ctctcccgca catactcttc tagccccgtg 180
atcaatgtgt gggttgccat ccggatgtta ctgggtgtgg gctcctgacc acccaggtag 240
tgctggtgga agaaggatcg cag 263

<210> 1145
<211> 286
<212> DNA
<213> Homo sapiens

```
<400> 1145
cgcggcggca agatggcagt gcaaatatcc aagaagagga agtttgtcgc tgatggcatc 60
ttcaaagctg aactgaatga gtttcttact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggg ccggcggatt cgggaactga ctgctgtagt tcagaagagg 240
tttggctttc cagagggcag tgtagagctt tatgctgaaa aggtgg       286


<210> 1146
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 235, 289, 292, 295, 308, 312, 331, 345, 348, 351, 358, 370,
372, 385, 387, 408, 428, 433, 440, 441, 447, 460, 467, 468,
474, 480
<223> n = A,T,C or G

<400> 1146
aaacttgcag agtgcaaact tgcaataatt cattgtgccg gttattcaga ccctatattg 60
gtgcagacac tttggcaaga tatcatagag aaagaattga gtgacagtgt gacattgagc 120
tcctcggata gaatgcatgc tcttagtctc aagattgttc tccttggcaa aatttatgct 180
ggcacaccac gcttctttcc tttagatttt attggacaag ttttagaacc agcanggttg 240
tactttgaac tgggatgggg gcttctaata caaaccatga atgaaattng antanccttg 300
ctaaactnct anaagttatt atcagtggtc naatcaccgg atcantcntg nacaaatnaa 360
aacccctgcn cnttggatgg taccngnttt tggaaaaatg gtggaaancc accaattttc 420
ctcccggngc ctncaaaggn naatccnccc tggggcgtn cttgggnncc accnggccan 480
ctggggaaa                                                 489


<210> 1147
<211> 544
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 531
<223> n = A,T,C or G

<400> 1147
ctttaattaa ggcattggtc ccaacggtgc acatagatta agggattttg cttccttctg 60
aactagatca tttgttagag gcttcagaaa aagaaaatta gcttgaaatc tagtctggga 120
aattgggggc agggaatgaa aaagttggtc tcttgtttct ccacgataca caggcttccc 180
atctaaagtc atgcttaact aaaagggaaa aaaaatgaac caagcaaaag tatatagagt 240
agccgtgaca tttgcattat tttctagact ttacatttgc ctgcaacagg cataacatga 300
aactccagag ggaatttgga ttgataggaa tgttcacata aacaccagca gtggctaact 360
gttacacaac attcaaagta ttcgagagaa ctgctggaga cagagagcga gggtccacag 420
acacattagc accatactga taggcatgca gcaggatgtt cacctgccgg cggccgcgaa 480
ggcgattcaa ccactggcgg ccgtctatgg atccactcga ccaacttggg naatatggct 540
actg                                                      544


<210> 1148
```

<211> 397
<212> DNA
<213> Homo sapiens

<400> 1148
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
agtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggcggacc cagccaatgg aatgagg 397

<210> 1149
<211> 137
<212> DNA
<213> Homo sapiens

<400> 1149
ctgcagcttt tcaccacatt ttcaattact gaattgcatg ttttttttcc accttgataa 60
cttagggtca gtagaaagct atttacttac atgttatagt caatataact atactaaatg 120
cccatttgta attgaag 137

<210> 1150
<211> 171
<212> DNA
<213> Homo sapiens

<400> 1150
ctggaccctt acacacttcc taatggcaga atttggctgt ttggcttcaa ctcctacttt 60
ttccagcacg attccttttg catgagaagc acctccaaaa gggttggcct ttagggctgt 120
gcccaaatga gctttcttat actgtttatc atgccacttc tggtctcgtc g 171

<210> 1151
<211> 112
<212> DNA
<213> Homo sapiens

<400> 1151
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt ac 112

<210> 1152
<211> 140
<212> DNA
<213> Homo sapiens

<400> 1152
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cgcgcctcat tacgattcgc 120
ctgcttgctt ctcctgttca 140

<210> 1153
<211> 481

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 14, 295, 337, 338, 420, 425, 429, 434, 439, 441, 446, 454,
457, 459, 464, 474, 476
<223> n = A,T,C or G

<400> 1153
ctgacacaga ctangatcga gttctcccac ggccttccta tcccgtctct aatttactct 60
ctgctttttcc ctggaatgtg catgagaaat aaaccttcca aacatttcaa aagtcgcact 120
ttcctccttt attacaacga tgcccatttt taacgacact ctcggtggcc cctgacagct 180
acctggtgag atacacagca tattgtgccc attgaatgaa gatacttctg acaatgaggc 240
tttctcgtga aataaaggtt tcccgtctca taaaactgaa aatctttgga aaganctgag 300
tggaaatggc ttttgaagaa ggcagtgatt cactaannta tttgaaaact taaggtagtg 360
aagggtagaa aaccaaccca aaacaatcaa gggggggaccg actggcccct tgacttttgn 420
tggcnaacna aaanaaatnt ntaaancctg gtantcncna aacnaattaa aacnanccct 480
c                                                                 481


<210> 1154
<211> 688
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 507, 515, 519, 544, 550, 569, 571, 592, 607, 615, 624, 625,
629, 637, 644, 654, 676, 679
<223> n = A,T,C or G

<400> 1154
aaaattttta tttgaatgaa atcattgtaa taatcattaa agtgatttga aatagaatga 60
tctctgtgaa aggaagttta tagcatcact atttatagga gagaaagcag cagaggtatg 120
catccggaag tgaatataac attgtaaaat cagcccacat taaataccaa aaaagtaaga 180
accatcaaaa tgcagcatta tttacaggat taaaaagtgt gaacagtaca gagttaaact 240
ttcttatgtg tgaattttga cctgctatgt tgttagcaaa aagctttagt gtttgtataa 300
aatgatgtgt acccttatcc caaccaccac cagatcaaga cacaaactga caatgattcc 360
ttccttattt tacagcttta ttactgattt ccctctaaaa agagactcaa gtgtggagct 420
gactcatcta tagattaagg aatcacaaag taccatagtc acttaacaaa tgcaaaaaaa 480
aaaagcaatg gtttaccttt cacctgntgg gggtntgtnc aatctttcca aaaaagcata 540
ctgngcttcn tgacctgatt tttcacccnt naatttaaaa ccaccctta ancttTggt 600
cttttnctt caaanaaagc tttnttttnc ctgccgnacc ctangggaat cccncctggg 660
gcgtctatgg tccacncgnc cactgggg                                    688


<210> 1155
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 384
<223> n = A,T,C or G
```

<400> 1155
ccaagagaat gcttatttaa gtgttagact tccattctgg caaaatcttg ccttatcaga 60
agacattgga aagagggatt ccctttggtg tttggtcttc tacttagaaa aacctattgc 120
agttagttta tcttgtagta ttcatctttg tattctgaag ataaggtttg aattaaattg 180
atacacacag aggggaaccg attttttcta tccaatgtga attataaatg agataatcca 240
cagttattca ttgtggagtt gttgagacta tgaaagactc attgtctttg tattcagctc 300
ttaaatagtg taactatatc cccacctctg cttgctttct ttccctcccc tccaatgata 360
aagaaaatga taaattttct gtgngcattc aattcttatt ttacctgccc 410

<210> 1156
<211> 358
<212> DNA
<213> Homo sapiens

<400> 1156
ccatggtccc agtggtagtg tctttatgct cataagcagt gagggcaact agaggtcact 60
ttcatcatca tctgctggtt tcagcaggct tctccactgc accctgtttt gaccagatcc 120
tgctctgttc aatgggggttg ggaatggaaa ataagtcctt ctggtctcct acctcatttc 180
cccatcagtg attatatact cctccttaat cttaaggggc ttgcagaagg gcggaggttc 240
atcttctgta actgcttcct gctgatgtta tgggcataga ccctgcctag cactggagag 300
gtaaaatccc tggatacctg ttctaaaagg ctcaaaggta ggatgtcttt atcttctg 358

<210> 1157
<211> 262
<212> DNA
<213> Homo sapiens

<400> 1157
ctgccaagga gaccctgtta tgctgtgggg actggctggg gcatggcagg cggctccggc 60
ttcccaccct tctgttctga gatggggggtg gtgggcagta tctcatcttt gggttccaca 120
atgctcacgt ggtcaggcag gggcttctta gggccaatct taccagttgg gtcccagggc 180
agcatgatct tcaccttgat gcccagcaca ccctgtctga gcaacacgtg gcgcacagca 240
gtgtcaacgt agtagttaac ag 262

<210> 1158
<211> 325
<212> DNA
<213> Homo sapiens

<400> 1158
gtccgctgtg gcgggaaagc ggcccccaga accgaccaca ccgtggcaag aggacccaga 60
acccgaggac gaaaacttgt atgagaagaa cccagactcc catggttatg acaaggaccc 120
cgttttggac gtctggaaca tgcgacttgt cttcttcttt ggcgtctcca tcatcctggt 180
ccttggcagc acctttgtgg cctatctgcc tgactacagg atgaaagagt ggtcccgccg 240
cgaagctgag aggcttgtga aataccgaga ggccaatggc cttcccatca tggaatccaa 300
ctgcttcgac cccagcaaga tccag 325

<210> 1159
<211> 255
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 240, 244, 251
<223> n = A,T,C or G


<400> 1159
aaaaacctgg ggaactttag gttatttata caaagggaat aaataggctg attttaattt 60
ggtaagttga tctttttatt atgaatttgg taatagtata ggtttattat ttattcatct 120
aattttatag tacaggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180
ggggaacatc ttgggaattt gagatttaat aagttttttt tttttttttt tttttagggn 240
tttnccggca nnccc                                                  255


<210> 1160
<211> 242
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 231, 232, 236
<223> n = A,T,C or G


<400> 1160
ttaaaatcct gattttggag acttaaaacc aggttaatgg ctaagaatgg gtaacatgac 60
tcttgttgga ttgttatttt ttgtttgcaa tggggaattt ataagaagca tcaagtctct 120
ttcttaccaa agtcttgtta ggtggtttat agttcttttg gctaacaaat cattttggaa 180
ataaagattt tttactacaa aaaaaaaaaa aaaaaaaaaa aaaaaaccc nncccngggg 240
gg                                                                242


<210> 1161
<211> 213
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 100, 102, 104, 110, 113, 140, 158, 177, 179, 199, 208
<223> n = A,T,C or G


<400> 1161
aaatctagag taaaaccaag ctggcccaag gtgtcctgca ggctgtaatg cagtttaatc 60
agagtgccat tttttttttt tgttcaaatg attttaattn tngnaatgcn canttttttt 120
aatatgcaaa taaaaagttn acctgcccgg gcggccgntc aaaagggcaa attccancnc 180
actggcggcc gttactagng gatccaanct cgg                              213


<210> 1162
<211> 407
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 19, 303, 328, 340, 343, 349, 351, 354, 367, 368, 373, 379,
385, 387, 390, 396
<223> n = A,T,C or G
```

<400> 1162
tcttccagga gattaatcna tgaaatttat aagttttatc aacgtataaa attttttttca 60
tcttctggga ctcatagaat acaatctgtg tttctgacca gttgaggtag ttaaaatagg 120
gagggctttt ctaatttcgt atttgactat ttcagaaaga aaggttatct tttactggtg 180
agcacagtca ttgctctgca gatgggctag gattcaaaga atataacaca gtgttgttat 240
cataaagagt gttgaaagtt tatttattat acaccattga gacattttga aattggaatt 300
ggnaaaaaaa taaaaacctg ccccggcngg cccttcaaan ggngaattnc nacnccctg 360
ggcgccnncc tangggaanc caacntnggn cccaancttg ggggaaa 407

<210> 1163
<211> 187
<212> DNA
<213> Homo sapiens

<400> 1163
gcaggaggca tgccaggagg aatgcctggg ggatttcctg gtggtggagc tcctccctct 60
ggtggtgctt cctcagggcc caccattgaa gaggttgatt aagccaacca agtgtagatg 120
tagcattgtt ccacacattt aaaacatttg aaggacctaa attcgtagca aattctgtgg 180
cagtttt 187

<210> 1164
<211> 312
<212> DNA
<213> Homo sapiens

<400> 1164
aaatgggcca gaatctataa acagtgattg ccgaaataat ctagagatga cagtgcagag 60
aaattatgtt cagacaataa tataaaaatt tagaaaagga agcactagaa tttttaatga 120
tctgaaataa atattttca taaaatttaa tgtattcttt ttttgtttgt ttttgataca 180
cagtcactct gtcacccagg ctggagtgca gtggtgcaat ctccactcac tgcaacctcc 240
accacttggg atcaagtgat tctcccggct aattttgta tttttagtag agacagggtt 300
ttgccatgtt gg 312

<210> 1165
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 1165
aaaatcctga ttttggagac ttaaaaccag gttaatggct aanaatgggt aacatgactc 60
ttgttggatt gttattttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240
gtattagaca cccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300
attttttca atgccaaacc ag 322

<210> 1166
<211> 96

<212> DNA
<213> Homo sapiens

<400> 1166
gtgataccca aaatccagtg ccttccacca agccaggatg aggaagtaca gacaattggt 60
cagatagaac tgtgcctcac taagcaagac cagcag                          96

<210> 1167
<211> 256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 227, 230, 232
<223> n = A,T,C or G

<400> 1167
gggaatgtga aatttacatc atttcttttt gggagagact tgttttggat gcccccctaat 60
ccccttctcc cctgcactgt aaaatgtggg attatgggtc acaggaaaaa gtgggtttttt 120
tagttgaatt ttttttaaca ttcctcatga atgtaaattt gtactattta actgactatt 180
cttgatgtaa aatcttgtca tgtgtataaa aataaaaaag atcccanatn anaaaaaaaa 240
aaaaaaaaaa aaaaaa                                                256

<210> 1168
<211> 266
<212> DNA
<213> Homo sapiens

<400> 1168
cacaatgtaa aaaagaatag taatatcaga acaggaagga ggaatggctt gctggggagc 60
ccatccagga cactgggagc acatagagat tcacccatgt ttgttgaact tagagtcatt 120
ctcatgcttt tctttataat tcacacatat atgcagagaa gatatgttct tgttaacatt 180
gtatacaaca tagccccaaa tatagtaaga tctatactag ataatcctag atgaaatgtt 240
agagatgcta tatgatacaa ctgtgg                                     266

<210> 1169
<211> 143
<212> DNA
<213> Homo sapiens

<400> 1169
catttaccag ggctctgagg ccgacagcgt cttcagcggc ttcctcatct tcccatctgc 60
ctgagccagg gaaggacccc ctcccccatc cacctctctg gcttccatgc tccgcctgta 120
aaatgggggc gctattgctt cag                                        143

<210> 1170
<211> 448
<212> DNA
<213> Homo sapiens

<400> 1170
aaaggattat agtgctgcat tgtctgaagt tagcacctct tggactgaat cgtttgtcta 60
gactacatgt attacaaagt ctctttggca agattgcagc aagatcatgt gcatatcatc 120

```
ccattgtaaa gcgacttcaa aaatatggga acacagttag ttattttttac acagttcttt  180
ttgttttttgt gtgtgtgtgc tgtcgcttgt cgacaacagc tttttgtttt cctcaatgag  240
gagtgttgct catttgtgag ccttcattaa ctcgaagtga aatggttaaa aatatttatc  300
ctgttagaat aggctgcatc tttttaacaa ctcattaaaa aacaaaacaa ctctggcttt  360
tgagatgact tatactaatt tacattgttt accaagctgt agtgctttaa gaacactact  420
taaaaagcaa aataaacttg gtttacat                                     448
```

<210> 1171
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 3, 10
<223> n = A,T,C or G

<400> 1171
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ggnagacaan gtattttatt tctgactgat tttagaaaaa acttgtgtac atgtgtttgg   60
aactgttgaa atgccaagtt ttctgtataa gtgttttttgt aattaaactt tcagattttc  120
tttgttttttt aagaagttga tgtgcttgtt tgacatttgt ctcattaaaa cttttctacg  180
ttgaattcac ctgtttcaat tttacttgct ttgtaacaaa aagtcctacc tctggccggg  240
cacggtggct catgcctgta atcccaacac tttggaaggc caaggcaggc agatcacgag  300
gtcaagaaat cgagaccatc ctg                                          323
```

<210> 1172
<211> 232
<212> DNA
<213> Homo sapiens

<400> 1172
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ccagtttgtg cagttccagt agtgactgat tcacattttt ttccaaatgt aatgcacact   60
ccattgcatt cagcccgctc tcccagtcat cacagtctgg tttcttgata tcctgaagga  120
agattcagcc acctcgttgg ttctgcagct tcatcagttt ctcagcatgt tccctctcct  180
catgagattg gtgaagaaag tatttggcaa agttcttcaa agccacatca tc          232
```

<210> 1173
<211> 425
<212> DNA
<213> Homo sapiens

<400> 1173
```
caatctttcc tgttgcctgt ggagtctctg ctgaaatgaa tcaggattcg agctctagga   60
tgagacagaa aatgaaagca tgttgtttgc caggacactg tgggtttata ttgatgtgta  120
acaagttgat ttggaacact ggactctcat tctgttattc tggtttttgtt ttttttgttt  180
tgtttttttt cttttgtaaa ggcaatgagc tagtcccaga aaggatcctt cagttacata  240
caatttgttt aatgaaatgt catggctctg ttcatatttt tgtcttgttc ttccaattgg  300
tatatacaac tttcagagcc tcttgtattt ggaaggctgg aagggcccag actttggaat  360
agtgtcttgg tttcactgtt tttgtttttga ttttttttttg ttttgatttt ttttacctcg  420
gccgc                                                              425
```

<210> 1174
<211> 200
<212> DNA

<213> Homo sapiens

<400> 1174
aaaataacag ctaaaagaaa agctctgaat gttactcttt attctggtag gtatgattta 60
cccagtattg tttacatgcc ttgatttagt atcagtgagt atctcctgta tgcaaggcgc 120
tcagagccat gattcctagc ttctaacatc cgatttctag gcctctcatg cagatgccaa 180
taaaggatct gtgtacagcc 200

<210> 1175
<211> 194
<212> DNA
<213> Homo sapiens

<400> 1175
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaa 180
aaaaaaaaat tttc 194

<210> 1176
<211> 140
<212> DNA
<213> Homo sapiens

<400> 1176
aaacaaaacc agagtcatct ggggaaaagt aactcgggcc catggaaaca gtggcatggt 60
tcgtgccaaa ttccgaagca atcttcctgc taaggccatt ggacacagaa tccgagtgat 120
gctgtacccc tcaaggattt 140

<210> 1177
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1177
aaacttcacg ttgtccttat ttttcttgat cttgacagat ttggcatcct ttcgtcgggc 60
tgtgagcagg aagtccttga tttcctcaat tttccgaggc atggcgacga ggcgcgctgg 120
gctctggcgc ggaccaggac ctttctcacc cacgtatcac cctagagaca ctcacagcaa 180
gcagcaacc 189

<210> 1178
<211> 171
<212> DNA
<213> Homo sapiens

<400> 1178
ccagggggtag gatagtatag gaagtagaag gggaaggagg gttagataga gaatgctgaa 60
taggcagtag ttgggagaga gcctcaatat tgggggaggg gagagtgtag ggaaaaggat 120
ccactgggtg aatcctccct ctcagaacca ataaaataga attgaccttt t 171

<210> 1179
<211> 432
<212> DNA
<213> Homo sapiens

```
<400> 1179
ggcaggttct aaaagatcta gttaaagtta ttcaacagga gtcttacaca tataaagacc 60
caattacaga atttgttgaa tgtttatatg ttaactttga ctttgatggg gctcagaaaa 120
agctgaggga atgtgaatca gtgcttgtga atgacttctt cttggtggct tgtcttgagg 180
atttcattga aaatgcccgt ctcttcatat ttgagacttt ctgtcgcatc caccagtgta 240
tcagcattaa catgttggca gataaattga acatgactcc agaagaagct gaaaggtgga 300
ttgtaaattt gattagaaat gcaagactgg atgccaagat tgattctaaa ttaggtcatg 360
tggttatggg taacaatgca gtctcaccct atcagcaagt gattgaaaag accaaaagcc 420
tttcctttag aa                                                    432

<210> 1180
<211> 251
<212> DNA
<213> Homo sapiens

<400> 1180
agacaactgg ctttggcatg atttatgatt ccctggatta tgcaaagaaa aatgaaccca 60
aacatagact tgcaagacat ggcctgtatg agaagaaaaa gacctcaaga aagcaacgaa 120
aggaacgcaa gaacagaatg aagaaagtca gggggactgc aaaggccaat gttggtgctg 180
gcaaaaagaa gtgagctgga gattggatca cagccgaagg agtaaaggtg ctgcaatgat 240
gttagctgtg g                                                     251

<210> 1181
<211> 122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1181
ncgagtcctg ccttgtctg tggagacgga ttacaccttc ccacttgctg aaaaggtcaa 60
ggccttcttg gctgatccat ctgcctttgt ggctgctgcc cctgtggctg ctgtcaccac 120
ag                                                              122

<210> 1182
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 199, 256, 264
<223> n = A,T,C or G

<400> 1182
nctgccctct tgggtttagg tgttgttcct tcacggaatc catgcctgaa tctgcggtat 60
acaattttta ggtgcctcat tcgaccagtt ccggtggtat ttcgtctttt agccttggca 120
ctccagttat actttctctt gcgcttggca gggtagccac atttgccaca ggtcgacttc 180
tgaaggtggt aggccttana gccacagcgg cggcacaacg tgtgcgtctt attgcgacgc 240
tttccaaacg atgacnttcc cttngcatct cgcacct                         277
```

<210> 1183
<211> 257
<212> DNA
<213> Homo sapiens

<400> 1183
atgcccccta agtgacccgg acacttccga gggggccatc accgcctgtg tatataacgt 60
ttccggtatt actctgctac acgtagcctt tttactttg gggtttgtt tttgttctga 120
actttcctgt tacctttca gggctgacgt cacatgtagg tggcgtgtat gagtggagac 180
gggcctgggt cttggggact ggagggcagg ggtccttctg ccctggggtc ccagggtgct 240
ctgcctgctc agccagg 257

<210> 1184
<211> 206
<212> DNA
<213> Homo sapiens

<400> 1184
gcgcttgcgt gtcggcctct gtggcaggtg cgagtgacac agtggaagca ggctaagtcc 60
tatcagccat ggaaacacca ttgctctctt cttccggtca ctgttgccaa actataccat 120
ggaggggggag aggcccgagg aaggagtggc tgggggtctg aaccgcaacc agggcctgaa 180
caggctgatg ctggctgtgc gcgaca 206

<210> 1185
<211> 175
<212> DNA
<213> Homo sapiens

<400> 1185
ccctatcaca cgtggccttg tctagaccct gtcctgagca ggggagaggc tcttgagacc 60
tgatgccctc ctacccacat ggttctccca ctgccctgtc tgctctgctg ctacagaggg 120
gcagggcctc ccccagccca cgcttaggaa tgcttggcct ctggcaggca ggcag 175

<210> 1186
<211> 291
<212> DNA
<213> Homo sapiens

<400> 1186
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtacacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtcaat ccagtactct ccactcttcc 240
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c 291

<210> 1187
<211> 171
<212> DNA
<213> Homo sapiens

<400> 1187
aaaaggtcaa ttctatttta ttggttctga gagggaggat tcacccagtg gatccttttc 60
cctacactct cccctccccc aatattgagg ctctctccca actactgcct attcagcatt 120

ctctatctaa ccctccttcc ccttctactt cctatactat cctacccctg g                171

<210> 1188
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1188
cctccagggc atgtaagagg cacagaacac tcccagaacc cagaatctgc tgtcatctga 60
gtgcctgagc aacttacata accatcagct tttagacgaa cttacacatt tcctatttga 120
cagaaatctc ttccacaatt tggtcactac atttgacttg ctatttcaaa agaagtccac 180
atgtcatgaa acaccaacca attttatca atcacttacc aatatgaggt taagaagtta 240
agacaaccat ttttacagat aaaacacatg aatccaatga ccttcctcac ag           292

<210> 1189
<211> 263
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 175, 178, 179, 186, 188, 190, 196, 200, 215, 216, 226, 246,
251, 254, 256
<223> n = A,T,C or G

<400> 1189
aaatgtccca cgtttattta catatgaaat gtgtttcata cagttatgat ggatggagtg 60
cataacacct gacagcagca agaccttttg aggaaccgaa cattgactac agtatatcat 120
gcaagtatct atatatacac aaaagaattc cttttcttaa aaaaaaaaa aaaanggnnc 180
aaaacntntn cggggntaan tccaaaatcc aaatnncaaa aaaaanccca aaccaaaccc 240
aaaaantaaa nctntntcaa aaa                                         263

<210> 1190
<211> 159
<212> DNA
<213> Homo sapiens

<400> 1190
ggcaggtgtg gtgtttgtgg gcacgagagg ggcagagaat ggagagtgag gctaccacat 60
gaagcgtcac cagagctgct ccctgctgcc tgctcagagc accccggatc cactgttcaa 120
tctgcacaag attcggggtc cagacatggg agacttcag                         159

<210> 1191
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 569, 631, 649, 658, 659, 670, 683, 688, 692, 694, 701,
703, 710, 716, 719, 720, 733
<223> n = A,T,C or G

<400> 1191

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ncctgggacc aaatgaaggc tgagaggtat ggctcatcgg tacaagagag atgcaaaaaa 60
ctaagttgga aagtaaaggc tacacacaca tatggagcac cccatcccac agcacattac 120
atccacctca cttcacagaa cggagaacag agcagaaatg accagaacac ctttgtcacc 180
atcacacagc cctcctaaaa tggaaccaaa gcttcccagc tccctcaaag ctttggatgc 240
aaagaaggca ccctgacttc cacaagacac cagaattcac acggtactca gaggcactgc 300
tggggaagtt tgttggtctt tattagataa atttccagag acctgtccat aatacccaac 360
agaacatgac tgtttctttg aggaaagggt tataatgtct gtggtgtaca agtcgttttt 420
ggtataactt ctttcctgct gctgctgctt cccggcaaac atagttttcc tatttcaggc 480
agagtgcggt atattccagg aaacacttgt ttcctactca cttagcttac tttctttgtt 540
gaatgcctca ctaatggcca agtttcaana tgttttgggt gacaatgcac acattgcttg 600
ggcaaaaagg gtgatgggac cctcggcccc naccacgcct aaaggggcgna atttccannc 660
acactgggcn ggccgctact aanggatncg anCntcggta ncnaaccttn gggcgnaann 720
aatgggccat agnctgct                                              738
```

```
<210> 1192
<211> 105
<212> DNA
<213> Homo sapiens

<400> 1192
ggaaccgtgg cgtccctgcg tggggcccat gggtgagaca ctccagtact gagacctaga 60
gtccagatgc ttgtaggagc caagtcgtgt tctaagtatt tattt               105

<210> 1193
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1193
nctgatttta tttccttctc aaaaaaagtt atttacagaa ggtatatatc aacaatctga 60
caggcagtga acttgacatg attagttggc atgattttt cttttttttc ccccaaacat 120
tgtttttgtg gccttgaatt ttaagacaaa tattctacac ggcatattgc acaggatgga 180
tggcaaaaaa aagtttaaaa acaaaaaccc ttaacggaac tgccttaaaa aggcagacgt 240
cctagtgcct gtcatgttat attaaacata catacacaca atctttttgc ttattataat 300
acagacttaa atgtacaaag atgttttcca cttttttcaa ttttta               346

<210> 1194
<211> 207
<212> DNA
<213> Homo sapiens

<400> 1194
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa attttttt                                   207

<210> 1195
<211> 627
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 6, 466, 485, 511, 516, 526, 530, 542, 551, 556, 562, 569,
571, 574, 610, 622, 624
<223> n = A,T,C or G

<400> 1195
ctgggnccta cattagtgcc ttacgggtga acaaggtgat tgagattaac ccttacctgc 60
ttggcaccat gtctggctgt gcagcagact gtcagtactg ggagcgcctg ctggccaagg 120
aatgcaggct gtactatctg cgaaatggag aacgtatttc agtgtcggca gcctccaagc 180
tgctgtccaa catgatgtgc cagtaccggg gcatgggcct ctctatgggc agtatgatct 240
gtggctggga taagaagggt cctggactct actacgtgga tgaacatggg actcggctct 300
caggaaatat gttctccacg ggtagtggga acacttatgc ctacggggtc atggacagtg 360
gctatcggcc taatcttagc cctgaagagg cctatgacct tggccgcagg gctattgctt 420
atgccactca cagagacagc tattctggag gcgttgtcaa tatgtnccac atgaaggaag 480
atggntgggt gaaagtagaa agtacagatg ncagtnacct gctganccan taccgggaaa 540
cncatcaata ntgggnggtg gnggaaganc ntcngcctga gaccaccgct aaggggggcga 600
aatttccagn acaactttgt cngnacc 627

<210> 1196
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 32
<223> n = A,T,C or G

<400> 1196
atgacattgg tggtcctgat caagaatttg gngtggacgt tggccctgtt tgcttttttat 60
aaaccaaact ctatctgaaa tcccaacaaa agaaatttaa ctccatatgt gttcctcttg 120
ttctaatctt gtcaaccagt gcaagtgacc gacaaaattc cagttatttta tttccaaaat 180
gtttggaaac agtataattt gacaaagaaa aatgatactt ctcttttttt gctgttccac 240
caaatacaat tcaaatgctt tttgttttat tttttttacca attccaattt caaaatgtct 300
caatggtgct ataataaata aacttcaaca ctctttatga taaaaaaaaa aaaaaaaaa 360
aaaaaaaaaa aaaa 374

<210> 1197
<211> 279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 168, 172, 178, 192, 194, 226, 245, 260, 265, 272
<223> n = A,T,C or G

<400> 1197
gggaaggaaa gaacttgcat gttggtgaag gaagaagtgg ggtggaagaa gtggggtggg 60
acgacagtga aatctagagt aaaaccaagc tggcccaagg tgtcctgcag gctgtaatgc 120
```

```
agtttaatca gagtgccatt tttttttttg ttcaaatgat tttaattntt gnaatgcnca 180
atttttttaa tntncaaata aaaagtttac ctgcccgggc ggccgntcaa gggcaaattc 240
caccncactg gcggccgttn ctagnggatc cnagctcgg                        279
```

<210> 1198
<211> 293
<212> DNA
<213> Homo sapiens

<400> 1198
```
gagacgatga agaacaatta gactggaccc acccaccaca gcccatcacc ctccatttcc 60
acttggtgtt tggttcctgt tcactctgtt aataagaaac cctaagccaa gaccctctac 120
gaacattctt tgggcctcct ggactacagg agatgctgcc acttaataat caacctgggg 180
ttcgaaatca gtgagacctg gattcaaatt ctgccttgaa atattgtgac tctgggaatg 240
acaacacctg gtttgttctc tgttgtatcc ccagccccaa agacagctcc tgg         293
```

<210> 1199
<211> 561
<212> DNA
<213> Homo sapiens

<400> 1199
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcaccccct tctcaccgca tcctcaatat tccttttgtt cctctggtaa 240
ttggtggtgc ctggctgggc tttgtcctgg gaatatggta ggttggtgat ggtgaaattc 300
aggtagaagt gctgggtgct ggagctgctt gttggttgat aaactgatga ctccatttct 360
gtcacatgga tgtccaccaa ctggtaggtg gagcccagcc aatggaatga ggcattcagg 420
gtcttatcta gaaagacttg ctccaccagg ctggggtcca aattggagga aacaatgcc 480
ttgacagtga ccaacacgga gtccatcgtc aagttggtac ctgcccgggc ggccgctcga 540
gccctatagt gagtcgtatt a                                          561
```

<210> 1200
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 303, 328, 329
<223> n = A,T,C or G

<400> 1200
```
cgaggaaata gtatcatcat gttagaagcc ttggaacgag tataaataat ggctgttcag 60
cagagaaacc catgtcctct ctccataggg cctgttttac tatgatgtaa aaattaggtc 120
atgtacattt tcatattaga ctttttgtta aataaacttt tgtaatagtc aaaaatgctt 180
tctcagatgt tctgaatata gaatatcagc tctcattcca gttttttcta acatgaattt 240
tcctggttga cattgatttc aaagggtttt atgcattaaa gtgaaagaat cttattaaat 300
gcnaaaaaaa aaaaaaaaaa aaaaaaannt ttttt                           335
```

<210> 1201
<211> 441
<212> DNA

<213> Homo sapiens

<400> 1201
ggcaggtaaa aaagtgacat tgctttatta ctattggcag gtggggcctg catgaggtgg 60
ttagtgtgct caggggatgg gtgggctgtg gagatgatga cagaaaggct ggaaggaaag 120
ggggtggggtt tgaaggccag ggccaagggg tcctcaggtc cgcttctggg aagggacagc 180
cttgaggaag gagtcatggc aagccatagc taggccacca atcagattaa gaaattctga 240
gaaatctagc tgaccatcac tgttggtgtc cagtttcttc atcatgcggt caaggacacc 300
agggtccttc tggttctttg tgaaggcagc tagttctgta ttcatgaagc ttaggaactc 360
tgtcttggag agagtgtagt tataaccatc ctttccagca tacttctgga agacagcaat 420
cagggactcg atgcaccgct c                                          441

<210> 1202
<211> 311
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 30, 268, 307
<223> n = A,T,C or G

<400> 1202
gcattttcca catttgtcaa ctctggttan aaacaggtcc tcaggagtat tctctaacct 60
gatattttct aaaaagatat gttgattcaa ctttgtttag catcctactt tctagattgt 120
ggggctcatt ttgccagggc caagctacca gaaaagtaga agtggagatt acctggtatg 180
tatctctctg ggtgccccag ttagagctgc cacagctcag gaaaaagatg aggcataacg 240
accttgaatg taattggagt aagtgacnaa ataagaacta ccctgggaaa ccctgcattc 300
aatgtanctg t                                                     311

<210> 1203
<211> 307
<212> DNA
<213> Homo sapiens

<400> 1203
ctgttgccga ggcctgggct cgcctggacc acaagtttga cctgatgtat gccaagcgtg 60
cctttgttca ctggtacgtg ggtgagggga tggaggaagg cgagttttca gaggcccgtg 120
aggacatggc tgcccttgag aaggattatg aggaggttgg agcagatagt gctgacggag 180
aggatgaggg tgaagagtat taacctgtgt gctgtacttt tacactcctt tgtcttggaa 240
ctgtcttatt tttgttctgt aaatgtctat tgccgtaaat tgttaataaa attgatgttt 300
ccatttt                                                          307

<210> 1204
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 418, 562, 584, 605, 633, 647, 658, 675, 682, 683, 689, 698,
704, 705
<223> n = A,T,C or G

<400> 1204
ctggaaccac aaagcagccc tctaaggagg aggaggaaga ggaggaggag gaacaactga 60
accagacctt ggcagaaatg aaggcccagg aggtggcgga attgaagagg aagaaaaaga 120
agctgttgcg tgagcagaga aagcagcggg agcgtgtgga gctgaagatg gatccgcctg 180
gggtttccat tgcagacgag ggggagactg gcatgttctc cttgagcacc atccgggggtc 240
accagttatt agaggaagta acacaagggg atatgagtgc agcagacaca tttctgtccg 300
atctgccaag ggatgatatc tatgtgtcag atgttgagga cgacggtgat gacacatctc 360
tggatagtga cctggatcca gaggagctgg caggagtcag gggacatcag ggtctaangg 420
accaaaagcg tatgcgactt actgaagtgc aagatgataa agaggaggag gaggaggaga 480
atccactgct ggtaccactg gaggaaaagg cagtactgca ggaagaacaa gccaacctgt 540
ggttctcaaa gggcagcttt tnctgggatc gaggacgatg cccnatgagg ccctggagat 600
cagtncaggc cccagacctg ccccgggggcg ggnccgcttc aagggcnaaa tttcccancc 660
accaccttgg ccggnccgtt tnncttaant ggggattncc caanncttcc gggt 714

<210> 1205
<211> 336
<212> DNA
<213> Homo sapiens

<400> 1205
aaggaatcgt atcgtatgtc cgctatccag aacctccact ctttcgaccc ctttgctgat 60
gcaagtaagg gtgatgacct gcttcctgct ggcactgagg attatatcca tataagaatt 120
caacagagaa acggcaggaa gacccttact actgtccaag ggatcgctga tgattacgat 180
aaaaagaaac tagtgaaggc gtttaagaaa aagtttgcct gcaatggtac tgtaattgag 240
catccggaat atggagaagt aattcagcta cagggtgacc aacgcaagaa catatgccag 300
ttcctcgtag agattggact ggctaaggac gatcag 336

<210> 1206
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1206
ntggcagtgc aaatatccaa gaagaggaag tttgtcgctg atggcatctt caaagctgaa 60
ctgaatgagt ttcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tgttcttggt 180
gagaagggcc ggcggattcg ggaactgact gctgtagttc agaagaggtt tggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg 274

<210> 1207
<211> 240
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 189, 201, 230, 232, 233
<223> n = A,T,C or G

<400> 1207
tgtttcccag caaagatcaa cctctgctgg tcaggaggga tgccttcctt gtcttggatc 60
tttgccttga cattctcgat ggtgtcactc ggctccactt cgagagtgat ggtcttacca 120
gtcagggtct tcacgaagat ctgcatccca cctctaagac ggagcaccag gtgcagggtg 180
gactctttnt ggatgttgta ntcagacagg gtgcgtccat cttccagatn tnncccagca 240


<210> 1208
<211> 161
<212> DNA
<213> Homo sapiens

<400> 1208
aaagaagtaa gcctttattt ccttgttttg caaataaaac tggctaagtt ggttgctttt 60
tggtgattag tcaaagagac caaatcccat atcctcgtcc gactcctccg actcttcctt 120
ggcttcaacc ttagctgggg ctgcagcagc agcaggagca g 161

<210> 1209
<211> 206
<212> DNA
<213> Homo sapiens

<400> 1209
gcagaaaaaa gggttgccac cccagttgat tggaaggatg gggatagtgt gatggtcctt 60
ccaaccatcc ctgaagaaga agctaaaaaa cttttcccga aaggagtctt caccaaagag 120
ctcccatctg gcaagaaata cctccgctac acaccccagc cttaagtctc ttggagaagc 180
tggtgctgtg agccagagga tgtcag 206

<210> 1210
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1210
nctggctttc tacacacacc actgtccagg tgggaagggc agccactgct gctcctgcat 60
tcacccaagg aaacaaagga aaggtgcggc gaggcagggt ggggtgagta atcagcttgc 120
acttctgagc cctggcaacc ctaccatcct ctcctgctgg gctcagattg aatttgggga 180
ggtatttatt ctcatgccca tttcccacc 209

<210> 1211
<211> 427
<212> DNA
<213> Homo sapiens

<400> 1211
aaaatagatg attataacgg ggcagagaac tttcttttct ctgcaagaat gttacatatt 60
gtatagataa atgagtgaca tttcatacca tgtatatata gagatgttct ataagtgtga 120
gaaagtatat gctttaatag atactgtaat tataagatat ttttaattaa atattttttt 180
gtaaatatta tgtgtgtgtt tttttttaat ctatgggaat atttcttttg gaaaatcatt 240

```
tttcagctca attacagagc tcttgatatc ttgaatgtct tttctgtttg gcctggctct 300
taatttgctt ttgttttgcc cagtatagac tcggaagtaa cagttatagc tagtggtctt 360
gcatgattgc atgagatgtt taatcacaaa ttaaacttgt tctgagtcca ttcaaatgtg 420
tttttttt                                                         427
```

<210> 1212
<211> 386
<212> DNA
<213> Homo sapiens

<400> 1212
```
aaaatcttgc atggcattaa ttgttccttg cttttatagt tgtattttgt acatttttgga 60
tttctttata taaggtcata gattcttgag ctgttgtggt ttttagtgca cttaatatta 120
gcttgcttaa ggcatacttt taatcaagta gaacaaaaac tattatcacc aggatttata 180
catacagaga ttgtagtatt tagtatatga aatattttga atacacatct ctgtcagtgt 240
gaaaattcag cggcagtgtg tccatcatat taaaaatata caagctacag ttgtccagat 300
cactgaattg gaacttttct cctgcatgtg tatatatgtc aaattgtcag catgacaaaa 360
gtgacagatg ttattttgt atttttt                                      386
```

<210> 1213
<211> 680
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1, 646, 668
<223> n = A,T,C or G

<400> 1213
```
nctgatacca cacattgaaa ggtaaacatt aatatttcaa atctgatgtc taactaaaaa 60
tgtacagaat gaaaactaga aaatttcaac cccagattat cttcaacctt gctccctcca 120
ccaatcatac tttgacattt atctatttcc ttctccactt atggatgtaa ttggcttgct 180
atagaaacta cagttcagat gctttgaatg tatgaactac aatgaacaat aaagtcctct 240
tcttttgaag catattttgg cttcagcttt aagataatct tatgacaaga agggtcacac 300
tgattcactt aataaattcc attcttacct aacacaaggt ttagttgata agcacttgga 360
caaaaataat acttttcaaa aatgtaaagc aaactagtga ggacaaagga ttttgtcctc 420
atctcaacaa tgatcagcta ttggaactgc atgaaactga acaatttaaa cctggagctg 480
gtaatgttct taagaccaat tcagaacaaa ggcaggttgc ccttaaaaca ggtttgacct 540
tttccttcac tcttcctcct gtcccaccct ctgtgagtga tttaaaaacg gaaaaggtca 600
aagcccagcc aggcctacat ttagagaaat tttaaaaaaa tttttncttt caatttttgg 660
acctcggncg cgaccccgc                                              680
```

<210> 1214
<211> 77
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 65
<223> n = A,T,C or G

<400> 1214

```
gtcatctttt attatgaaga caataaactc aagattttat tgtcttcata ataaaagatg 60
acacntgcaa gggcggc                                                77
```

<210> 1215
<211> 332
<212> DNA
<213> Homo sapiens

<400> 1215
```
ggtggaatgt gatgttcagc agcaaacttg caacagactg gccttctgtt tgttactttc 60
aaaaggccca catgatacaa ttagagaatt cccaccgcac aaaaaaagtt cctaagtatg 120
ttaaatatgt caagcttttt aggcttgtca caaatgattg ctttgttttc ctaagtcatc 180
aaaatgtata taaattatct agattggata acagtcttgc atgtttatca tgttacaatt 240
taatattcca tcctgcccaa cccttcctct cccatcctca aaaaagggcc attttatgat 300
gcattgcaca ccctctgggg aaattgatct tt                               332
```

<210> 1216
<211> 603
<212> DNA
<213> Homo sapiens

<400> 1216
```
aaattgcatt cttttcaaat ttataagtct aagaaaacaa aaccaaataa aagaagccat 60
tccaaggagt gcgtatttgc catttgactg caacaaaagg cccggccaca ctgagctaaa 120
aggtaatact ctcgacccca ttcttctaac acagaaaact ttctcaggta aactgtgggg 180
ttatgagaat cccccctaact agaaatgttg atgggaactg agcattgctt gctttcatca 240
ggtgttcttg ttgccaaaga catgaacgat actgaggaaa acgacaagag tgagcattcc 300
cgccagtaaa tcttcaaggg tggcatccgt ttcaatttat acttggaagt atttttaatt 360
aaaaacaatc aataccaaaa agcttttatt ttgtgggttt aaaagtcaca aatcacagtg 420
ggagaatgcc aaattgcttt agcttggaac tactgaagac gcacatagca tttattataa 480
ggcctactct taggcagttc actctcaaag caatgaaaat aatctcaaac caaacattac 540
agtgggtttg aagcgttcct acgtttcttc cgagcaggtc agttttacat ttgctacaca 600
gca                                                               603
```

<210> 1217
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 677, 685, 695, 736, 749, 750, 776
<223> n = A,T,C or G

<400> 1217
```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
ttttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaataggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaactggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcattttc tttgtcaaat tatactgttt ccaaacattt tggaaataaa 420
taactggaat tttgtcggtc acttgcactg gttgacaaga ttagaacaag aggaacacat 480
atggagttaa atttttttg ttgggatttc agatagagtt tggtttataa aaagcaaaca 540
```

```
gggccaacgt ccacaccaaa ttcttgatca ggaccaccaa tgtcataggg tgcaatatct 600
acaatagggа gtctccagcc tttgccgtgt tcgatattca aagactgttt tgctccattc 660
ccccagtggg gtttcgngca acccnttcct tccanaaact ggtgtaaggg gggaaatttg 720
ctttttttccc tttcanccct ttgaaattnn ccccttctat tttggaccccc ccatcnc    777
```

<210> 1218
<211> 487
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 7, 24, 41, 42, 433, 439, 457, 467, 480
<223> n = A,T,C or G

<400> 1218
```
aaattgncaa gaagaaaatt cttngacatt tgggggctgg nngacatttg ggggcaaggg 60
ttccactgaa aaatcccccа aattcacgct gaggtttcag gtcatggttg ctgaggtgga 120
agatgaggtc agggctcttg gagattttcc aacccaccct agaacttgtt tctaaatggc 180
tggggaagag gtcagtatag gtcccccccgt tactgcagat gaaggcagaa gtcattctct 240
ccccccacccc tcaacttctt cagagatgtg gagataggag cttcgatct ctaattacct 300
acgatctctt aaaaatataa aacacgtgca gttgactttg gtacaaaaaa gaaaacaaaa 360
gaacaacaaa acattctggt ccctgtgggt tttttccctc acccccacaa accattatgg 420
acctcggccc gcnaccacnc taagggcgaa attccancac acttgcngcc cgttactagn 480
ggatccc                                                           487
```

<210> 1219
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 539
<223> n = A,T,C or G

<400> 1219
```
ttccccttta atctagatag aaatactctt tatcagagat ttaaggcact gttttgctaa 60
ctggtaaata aaaccaaatg taaatatgta agaatgttta tttgttgcac ataactttt 120
tggtataaaa taaatgtaga agttacctgt ggaagttgtg ctcccattat tcttaaactg 180
cagggttgca ttccaaaaga actgaaacga agtcttttta gactcagtag gagccttata 240
ttcttgaagt caatactgta acctcatttc taaggtatac agggttgatt cttttttctct 300
taaatcatat gtaacttgca gaagattcag agtcctcaga cctctagttc ttggaattcc 360
tgtaggttta cggtgtatgt gattgtcaag aattaatgac aaaaatgtgt cactgcctac 420
agttctgtga acactcagaa tgtattaatg agctgttttt ccatagtttt actttagctt 480
accttgaata ctccctgtat aatcctctaa aaaggtagca tcggcaagaa agatgaatnc 540
gttggaaata cag                                                     553
```

<210> 1220
<211> 152
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1220
ncgcaggagt gcccgcgact gagccgcctc ccaccactcc actcctccag ccaccaccca 60
caatcacaag aagattccca cccctgcctc ccatgcctgg tcccaagaca gtgagacagt 120
ctggaaagtg atgtcagaat agcttccaat aa                                 152


<210> 1221
<211> 306
<212> DNA
<213> Homo sapiens


<400> 1221
ccaggatttt catgaggggc cgtagcttga gccaccactg ttctttggga atcctgtgct 60
caaaatccgt ttgcttcttc agctctgcca caggttgaaa aataacgttt cttttgctta 120
ttcccagcac acaaatggaa tcatcggtgg taaatttttt tcctctgccc cgggcctcct 180
tgagtttttgc agtgatccac tccatagctc tggcagagat tttggttcca aagtttctat 240
caaatggaga gggtgcccca ccctgctgca tgtgacccag cacgttcttc ctgcagtcaa 300
acacgc                                                              306


<210> 1222
<211> 139
<212> DNA
<213> Homo sapiens


<400> 1222
ctggagcctg agtccgctgc acggagactc tggtgtgggt cttgacgagg tggtcagtga 60
actcctgata gggagacttg gtgaatacag tctccttcca gaggtcgggg gtcaggtagc 120
tgtaggtctt agaaatggc                                                139


<210> 1223
<211> 351
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G


<400> 1223
ngcagcatca ggcctggctc caaagcatcg cggagaaaga caacaacctg gttcctattg 60
gcaagccagc ctcagagcac tatgatgacg aggaagaaga ggatgatgaa gatgatgagg 120
atagtgaaga ggactcagag gatgatgagg atatgcagga catggacgag atgaatgact 180
acaatgagtc accggatgat ggagaggtca atgaggtgga catggaaggc aacgaacagg 240
atcaggacca gtggatgatc taggtagaca aggcagggtg gcctcaggga gattccaggc 300
cagcccaaac taccctgcat cccaacccccc aaccccctgcc cacagaacca g          351


<210> 1224
<211> 132
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1224
nggaatttgg tataattatg gtgggtgatt atttttttata ctgtatgtgc caaagcttta 60
ctactgtgga aagacaactg ttttaataaa agatttacat tccgcaaaaa aaaaaaaaaa 120
aaaaaaaaaa aa                                                   132

<210> 1225
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 411, 443, 462, 485, 492, 494, 501, 513, 515, 519
<223> n = A,T,C or G

<400> 1225
ccagaaaggt gacagtggtc ttccagggcc tcctgggcct ccaggtccac ctggtgaagt 60
cattcagcct ttaccaatct tgtcctccaa aaaaacgaga agacatactg aaggcatgca 120
agcagatgca gatgataata ttcttgatta ctcggatgga atggaagaaa tatttggttc 180
cctcaattcc ctgaaacaag acattgagca tatgaaattt ccaatgggta ctcagaccaa 240
tccagcccga acttgtaaag acctgcaact cagccatcct gacttcccag atggtgaata 300
ttggattgat cctaaccaag gttgctcagg agattccttc aaagtttact gtaatttcac 360
atctggtggt gagacttgca tttatccaga caaaaaatct gagggagtaa naatttcatc 420
attggacctg cccgggcggc cgntcgaaag ggcgaattcc ancacacttg gcggccgttc 480
ttagnggatc cnanctcggt nccaaacttg ggngnaatna tgg                523

<210> 1226
<211> 531
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 64, 365, 417, 424, 476, 482, 484, 496, 501, 517, 521, 522
<223> n = A,T,C or G

<400> 1226
aaacattacc cagcatcatt gtttataatc agaaactctg gtccttctgt ctggtggcac 60
ttanagtctt ttgtgccata atgcagcagt atggagggag gatttttatgg agaaatgggg 120
atagtcttca tgaccacaaa taaataaagg aaaactaagc tgcattgtgg gttttgaaaa 180
ggttattata cttcttaaca attctttttt tcagggactt ttctagctgt atgactgtta 240
cttgaccttc tttgaaaagc attcccaaaa tgctctattt tagatagatt aacattaacc 300
aacataattt tttttagatc gagtcagcat aaatttctaa gtcagcctct agtcgtggtt 360
catcnctttc cctgcatttt atttggtgtt tgtctgaaga aaggaaagag gaaagcnaat 420
accnaattgt actatttgta ccaaatcttt gggattcatt ggcaaaaaaa ttcagngggg 480
gngnattatt aaatanaaaa naaaaatttt gttcctnggt nnaaggctaa t          531

<210> 1227

```
<211> 292
<212> DNA
<213> Homo sapiens

<400> 1227
aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaatgtt tatggttttt 60
attttcaat ttttattttg gttttcttac aaaggttgac attttccata acaggtgtaa 120
gagtgttgaa aaaaaaattc aaatttttgg gggagcgggg gaaggagtta atgaaactgt 180
attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aagcaagtag 240
atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga ag           292

<210> 1228
<211> 340
<212> DNA
<213> Homo sapiens

<400> 1228
gttcacattg ataaagagac ggcgagtcga ctgaagtcta tgattaacac tactttgatc 60
atcaccaaca taccctacat catcatggcg ctgggtgtgt tctttggttt ggttttttacc 120
tggcttgcat gcaaaggaca gggatccatg gatgagggaa cagcggatga aagagcaccc 180
ctcattcgaa cctaaacatt gcctttgctt ggtgaagaaa ctatgtgagc tgtcctgacc 240
tggacgatga cgtggggaaa cgctccacct ccttgcaggc ttgttgcctg ttgaaagaag 300
gaaaaagaca cagcgctggc aagtgatagg aacattctgg                        340

<210> 1229
<211> 296
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 286
<223> n = A,T,C or G

<400> 1229
ggaaatctga aatagagtac tatgctatgt tggctaaaac tggtgtccat cactacagtg 60
gcaataatat tgaactgggc acagcatgcg gaaaatacta cagagtgtgc acactggcta 120
tcattgatcc aggtgactct gacatcatta gaagcatgcc agaacagact ggtgaaaagt 180
aaaccttttc acctacaaaa tttcacctgc aaaccttaaa cctgcaaaat tttccttttaa 240
taaaatttgc ttgttttaaa aacaaaaaaa aaaaaaaaaa aacccntccc gggggg       296

<210> 1230
<211> 90
<212> DNA
<213> Homo sapiens

<400> 1230
ctaatacgac tcactatagg gctcgagggc cgcccgggca ggtaaaaagt tatttattta 60
ttcttttttt tttttttttt ttgggaaggg                                    90

<210> 1231
<211> 284
<212> DNA
<213> Homo sapiens
```

<400> 1231
ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60
atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
gatcactaca acaatttgtc tgcctccaag gtcctctgag cagcaggct ctggggcttc 180
tgctgtcctt tggagggtgt cttctgggta gagggatggg aaggaaggga cccttacccc 240
cggctcttct cctgacctgc caataaaaat ttatggtcca aggg 284

<210> 1232
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 451, 522, 541, 548, 553, 576, 577, 578, 579
<223> n = A,T,C or G

<400> 1232
gtcagccttt gaggaaaccg gcaagaccaa ggaggtgatt gacacgggct atggcatcct 60
ggaccagaag gcctctggag tcaaatacac caagtcggac ttgcggttaa tcgaagtcac 120
tgagaccatt tgtaagaggc tcctggatta tagcctgcac aaggagagga ccggcagcaa 180
tcgatttgcc aagggcatgt cagagacctt tgagacatta cacaacctgg tacacaaagg 240
ggtcaaggtg gtgatggaca tcccctatga gctgtggaac gagacttctg cagaggtggc 300
tgacctcaag aagcagtgtg atgtgctggt ggaagagttt gaggaggtga tcgaggactg 360
gtacaggaac caccaggagg aagacctgac tgaattcctc tgcgccaacc acgtgctgaa 420
gggaaaagac accagttgcc tggcagagca ntggtccggc aagaagggag acacagacct 480
gcccgggcgg ccgctcgaaa gggcgaattc cacacacttt gnggccgtac taatggatcc 540
nactcggncc cancttgcgt aatcattggc atactnnnnt 580

<210> 1233
<211> 153
<212> DNA
<213> Homo sapiens

<400> 1233
aaacttgatc caacctcttt gcatcttaca aagttaaaca gctaaaagaa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacgattcgc 120
ctgcttgctt ctcctgttca acctgcccgg ccg 153

<210> 1234
<211> 416
<212> DNA
<213> Homo sapiens

<400> 1234
ccaaacaaga agacggcagt ctctccagaa ccacccaggg cggcactggt cacagtttca 60
ttccagatcg ttaaggtgat ttgctctgtg gctcaggtga cacagtgtgt ctggatgcac 120
atgatcactt gactcggttt ctatactcaa atatacagat gcagagtgaa ctcaaacaca 180
caggcattcc actgcagagc agatgataac aaaacaagtg gctggggaca ggggtcattc 240
aacaaccttc atttggtttg caatgtctgc aggaatctgg gtagtgggac caagacaagt 300
gagcctgctc tgtgctagcc aggtgtcacc aagtttctga tctacccagc tctcttgcca 360
gaggtgaagg gggtcccctc gctgagttgc gtgtttagag gagccctgct aggtgg 416

<210> 1235
<211> 319
<212> DNA
<213> Homo sapiens

<400> 1235
ccaggggacc cggcctcagg tctgtggagg tgcttcaaca gcacgatgct cattctctgt 60
ccgtagtgtc tccatatact ttctcatctt ctccaccatc caggagggta ggacaaagga 120
tttcaattcc tctagcttca gatccaggca tcctctgtaa tcatcactgg ccgcaaggtc 180
ccggatgtcc tcctcgatga ggaggtaggc catcttgccc cctgttgccc gcatgtgatg 240
ctgctcagcc agccagtgct tatcctgggg gtcagacctg cccgggcggc cgctcgagcc 300
ctatagtgag tcgtattag 319

<210> 1236
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1236
ctgtggccct gactcactgg ccctgctggc atttattcag cacatattaa atgacgaagg 60
ctttgagtca acaccatcag tgggtaatca atctggttgc cctcccccta ccctgagaga 120
gctatcctgc ccataaacta tcaaaggtta gttttaggac cacataagta aacaagtcat 180
ttagataaac tacatttctg tgtatctatg ccctaagctt ttaagagaat tcag 234

<210> 1237
<211> 395
<212> DNA
<213> Homo sapiens

<400> 1237
aaacaaaaca aaaaaaaagt ttacaaaaga aaaaaagata cagaaaaaga ataacttgct 60
tcatatgtcc caaaaagaga aaaaaataaa ggggacaatg ccaacatgct caacaataaa 120
ggcttctttt tcttattttt ttaatacaaa atacaagcaa aggatacaca tacttaaaac 180
agagctcagg agcagacacg cagtcctgga aaccçttcaa taaaagcaaa gcaggagttt 240
gttttttctt tgtctatgca gatacataca gagactggga tatgtaaaaa ttaagtatca 300
caaaagacca tcacacgatt ctaccaatgc atgttgcatc tgtaattcac gaacatggtc 360
aacaaaatca tgttcacttc aaccccattt cattt 395

<210> 1238
<211> 400
<212> DNA
<213> Homo sapiens

<400> 1238
aaatttaagg ataagtaaag tgagagtaca acagccccat tcttagttaa aaagaaaaga 60
aaaagacaag agcaagccac tgccaccaca ggtaccagca cttaaatttg tcagcaggct 120
gaccaaagag tggcctgtct gttggcattc atcggacatg gcagctccct tcagctctcc 180
agtgagtttc aagttcagag cactttcagt ccttgtcttg tttatctatt actgaagggt 240
ttctaggaag gtttagcagt gcttcaattt tcttagcatc attctcaggt tcatcttcct 300
gtaaactact ttcaattttc tcagggaggt gctcagtaac ttgtagtctg cctttccact 360
cttccagttt tagctcatgg agtgcctttc gatccttctg 400

<210> 1239
<211> 243

<212> DNA
<213> Homo sapiens

<400> 1239
aaaaaagtga cattgcttta ttactattgg caggtggggc ctgcatgagg tggttagtgt 60
gctcagggga tgggtgggct gtggagatga tgacagaaag gctggaagga aaggggtgg 120
gtttgaaggc cagggccaag gggtcctcag gtccgcttct gggaagggac agccttgagg 180
aaggagtcat ggcaagccat agctaggcca ccaatcagat taagaaattc tgagaaatct 240
agc 243

<210> 1240
<211> 224
<212> DNA
<213> Homo sapiens

<400> 1240
ggggttcagg atcccaacct atccttgggg gtggaggaca caatggaatt cataatgctc 60
ccgaagtggt tttcggcggg gatcgtgaat taggtgtcca gcgcgtaaca cacagacacc 120
atctggttct ctgtgtgaga aggagggggt tgcagcacac ccgtcatgaa taccagctct 180
ggagcaggac agacaggttc aaagcctggc tccaccccga ccag 224

<210> 1241
<211> 576
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 476, 496, 499, 504, 523, 548, 558, 572, 573, 576
<223> n = A,T,C or G

<400> 1241
ccattttgga gtgtgtccat tgggtagcaa tgtggaaacc accagggcct ttgtggagaa 60
aatggagggg gttgagggag tcccaggagg ggcttatttg agggcctttg ccacttgctc 120
ataggcgagc tcgatctcct catcatctgg acaggtggaa gcgaattctt cccgggcgta 180
ggcattgctc aagtaccgat gcactccccg gaaggcctcg gggatggtga atccccggta 240
cttcttacac accacctgta ctatgtgtaa ctttggcaac aggttgcagt tagccagggt 300
gagctcgttg ccatccaaaa acttcctctg agagacacct tcatcttcag cactggtttc 360
atccacttct tctgggaggg gggatgttaa gtaattgtct aaaaccttca gggctttcag 420
gagtcccttc tccagattgt cattgagtgc tgggtttgaa ttcttgatgt aggcanaaaa 480
atttggcaaa tatgtncanc ccanaccttg ccgggcgggc cgntcgaagg cgaaatccac 540
ccacttgngg ccgtctantg gatccaactc gnnccn 576

<210> 1242
<211> 121
<212> DNA
<213> Homo sapiens

<400> 1242
ctgctgtggt gtcagcgcca gtcttggcct cattccgctt ggggagtcct gttgaccacg 60
tgcccctgcc ggtgaaagag tcaggggatg gggatgggtg atgtggcgga cacagcccac 120
c 121

<210> 1243

<211> 240
<212> DNA
<213> Homo sapiens

<400> 1243
aaatgaaatt tgaaaaccaa atagtaagaa atggaaagag atagttgtaa gaatccattt 60
accaatttta cagctaaaaa ttaaagtgaa gtagaaatag caaaagataa cagacaaata 120
tattatttta ggtcattaat ttatagtgcc ttatcatctt aagttataaa tagaataagg 180
attttgttat ataaaaacta tcaaaaaagt atcagtgaaa agacatgacc tccatgaaat 240


<210> 1244
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 2, 249
<223> n = A,T,C or G

<400> 1244
cnctcctata gggcgaattg ggccctctag atgcatgctc gagcggccgc ccgggcaggt 60
gtcgtggttc atctctttca cctgcatttt atttggtgtt tgtctgaaga aaggaaagag 120
gaaagcaaat acgaattgta ctatttgtac caaatctttg ggattcattg caaataatt 180
tcagtgtggt gtattattaa atagaaaaaa aaaaattttg tttcctaggt tgaaggtcta 240
attgatacnt ttgacttatg atgaccattt atgcactttc aaatgaattt gctttcaaaa 300
taaatgaaga gcag 314

<210> 1245
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 365, 435, 451, 458, 484, 488, 493, 496, 515, 526, 540, 544,
563, 567
<223> n = A,T,C or G

<400> 1245
ctggtccagg atagcctgcg agtcctccta ctgctactcc agacttgaca tcatatgaat 60
catactgggg agaatagttc tgaggaccag tagggcatga ttcacagatt ccaggggggc 120
caggagaacc aggggaccct ggttgtcctg gaataccagg gtcaccattt ctcccaggaa 180
taccaggagg gcctggatct cccttggggc cttgaggtcc ttgaccatta ggagggcgag 240
taggagcagt tggaggctgt gggcaaactg cacaacattc tccaaatgga atttctggt 300
tggggcagtc taattcttga tcgtcacata ttatgtcatc gcagagaacg gatcctgagt 360
cacanacaca tatttggcat ggttctggct tccagacatc tctatccgca taggactgac 420
caagatggga acatnctcct tcaacagctt nctgttgngc caaaataata gtgggatgaa 480
gcanaacnag aantanccac ctcccttttc acaancttat catgtntaat ataaacttan 540
aatntttgtc aaaaaggaaa aanaaancc 569

<210> 1246
<211> 169

<212> DNA
<213> Homo sapiens

<400> 1246
ccagaatttc cacatgttca caaaggaaga acttgaagag gttatcaagg acatttaagg 60
aatcctgatc ctcagaactt ctctgggaca atttcagttc taataatgtc cttaaatttt 120
atttccagct cctgttcctt ggaaaatctc cattgtatgt gcatttttt 169

<210> 1247
<211> 280
<212> DNA
<213> Homo sapiens

<400> 1247
aaaaattagc atggcggcac acatcttagc tacttggcag gctgaggttc cagatctgtt 60
gccatcatgg cccccttcagg gtcctgggaa attcctggct tctcctaaat cagggtgaac 120
tgggcctcca ggatcaggtc tggagcaggc ccaaatatag tcctggacct gcctggatta 180
ggtgccaatg tctgagtctg ggctccagat caactccaga ccccaggctg gatctggccc 240
catttgagtt ctgattcccc ttggagctgg gctctgggcc 280

<210> 1248
<211> 577
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 501, 519, 523, 530, 573, 576, 577
<223> n = A,T,C or G

<400> 1248
aaaagcttta tttcccccca taatttgcaa atagatttca tgttagttcc actggaagtt 60
ttcttcgtac agttgccttt ctcattgact atgctgttgg tggggaaaac tgctttctca 120
tgaggggaag ggttagattt catagagatg ctctgagcta atcacataaa caagagggtt 180
tgacctggca gcctctgagg cagtcaagga ggtcaagaaa tcctttcagc taaaggccta 240
gtcaggtggg actagttgcc aggatcctct ctgcagaact gcccaaacgt agctctcttt 300
gaccaggaag cctggaagtc agaccatctt ctcaggccct gccaaattcc catcctcagt 360
cctgtggcct catgcgggaa cattttatcc aagcaaacca ctggctttcg ccttgaggtc 420
caatgtgcac tcttcaccaa gtgcaagatt gatcttcact ccaaagttca ccgttcacac 480
agtttttggc ttgtgcttta naagctggct ctgcctctnc tangaatggn ggcatcacag 540
cattggaaca caaagaccca gcaagcactg gtnggnn 577

<210> 1249
<211> 333
<212> DNA
<213> Homo sapiens

<400> 1249
ccaggatggt ctcaatctcg acctcgtgat ccgcccacct tggcctccca aagtgttggg 60
attacaggcg tgactcacca tgcccagcca cttagttttt tcttatttcc acctttctat 120
cccatagaac actctttttt atcttccctg aaccatattg atgagataaa tagggctggg 180
ggctgggccc cgctggtcac tcaacagagt atttcccttg gccgagatgg aagttttgtc 240
ccaatagatg agctgctgag tatcaacaag gtgacatttt tctgctaccc atttgtgtcc 300
tggagacggt ggtaccctga aggcagaggc cag 333

<210> 1250
<211> 416
<212> DNA
<213> Homo sapiens

<400> 1250
aaacatctca catatacaaa ataggtacaa tttaatttttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcatactt ttaattggga ataagatgga 180
aaatatgaat gctaaatcaa atttttttaaa aaatacacca cacgatacaa ctcaatacag 240
gagtatttct tctcaaattc ttctagcacc atcaacattc ttcaagtatc tgaaatacta 300
ttaattagca cctttgtatt atgaacaaaa caaaacaagg acctcagttc atctctgtct 360
aggtcagcac ctaacaatgt ggatcacact catgggaaag tgttttgagg tagttt 416

<210> 1251
<211> 223
<212> DNA
<213> Homo sapiens

<400> 1251
ccacagtgaa aaaggtcatg ggtggagaga agcaaagtag gaaggatcat ttgaagcaca 60
aacaaatggg gaaactgaac agacaatctc agtatcacca catctgcttc aaaaatagca 120
caccaactcc cttccaaagt gcatcgttac actgcaccat cgtggaagaa atggaagagc 180
aggatggatt tggctggctg gagtcacatc ttggggaagc tgg 223

<210> 1252
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424, 428, 437, 440
<223> n = A,T,C or G

<400> 1252
ctgccagtgg gtgcaagcag acctctacta aacgcaaagt agaggaaatg gaagtggatg 60
acttctatga tggaatcaaa cggctctata atgaagataa tgtctcagaa aatgtgggtt 120
ctgtgtgtgg cactgattta tcaagacaag agggacatgc ttcccccttgt ccacctttgc 180
agcctgtttc tgtcatgtag tttcaacaag tgctaccttt gagtgtaaac taaggtagac 240
tactttggga atgagaacat gcaaaatcag gaaaggctgt agaaggaaat ataccttaac 300
aggctgattt ggagtgagcc agaaaaaaaa aataaaactc tcattatttg tgtggctaat 360
tataattcag cgttatttaa gcacataaag accaaaaaaa aaaaaaaaaa aaaattcaaa 420
aaanccenct ttttttnccn ccccegg 447

<210> 1253
<211> 355
<212> DNA
<213> Homo sapiens

<400> 1253
ccacccactc tttgtcaaag ctttgcggga gggggccgta cacgtagtgc ttctgccaca 60
tgataacgag cgcggtgaaa ccgatgaaga acatggcacc gcccacaacc gtcttccact 120

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cgttcgagcc cctgttcatc tcagcaaagc tctccttgaa cttaatgcga tacaactcga 180
ctttctcatc catggagagg ctgctccagg aggccttctc cttctccttc agtgccttct 240
ggctggcaga caggtgcttg acatgggcca cctccggcaa ggggtggtca cgccgatcca 300
tataagctgg gagcgaaaag tcttcgctct tcacaacact ttcatgagct cgtac      355
```

```
<210> 1254
<211> 439
<212> DNA
<213> Homo sapiens
```

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<400> 1254
aaaatgtttt atttcatagc tcataaaaaa gtatgtatgt acaagactca agtaaataga 60
aaggcagctt tcaatcacaa atcagttttt cagattttac tgtggaagca tatttaatgc 120
acacatttga atgttacaca taaataattt taacgatgga gtccaagttc tggattttac 180
attagatctg catatataag acacttgtgg tcaaatttca agattggtaa agccagtttc 240
aagctgctta tattttgagt acaggtttca ctattacaaa tatatgatgt taaactaaca 300
aactcatgac cttcaaagat gtcttcgtcc cacgcacaca catttgtaat ttgtgtccat 360
ttgctatttc ccttcttcta taatcttcaa attatatagt tatgcattga gttccctatg 420
catctcaccc atctccttt                                             439
```

```
<210> 1255
<211> 486
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 266, 315, 335, 339, 353, 371, 385, 389, 396, 411, 445, 473,
475, 482
<223> n = A,T,C or G
```

```
<400> 1255
aaattcttgc attacacttt tctttttaaa ccaatcttcc aggagattaa tcaatgaaat 60
ttataagttt tatcaacgta taaaattttt ttcatcttct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaaggtt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagngttg ttatcataaa gagtgttgaa gtttatttat 300
tatagcacca ttganacatt tttgaaattg gaatnggtna aaaaataaaa canaaagcat 360
ttgaattgta nttggtggaa cagcntaana agaganatat ccatttttct ntgtcaaact 420
atacctgttt ccaaacattt tgganataaa taactgggaa ttttggcggc ccncntggcc 480
cntggt                                                           486
```

```
<210> 1256
<211> 539
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 371, 426, 482, 492
<223> n = A,T,C or G
```

```
<400> 1256
aaattcttgc attacacttt tctttttaaa ccaatcttcc aggagattaa tcaatgaaat 60
```

```
ttataagttt tatcaacgta taaaattttt ttcatcttct gggactcata gaatacaatc 120
tgtgtttctg accagttgag gtagttaaaa tagggagggc ttttctaatt tcgtatttga 180
ctatttcaga aagaaaggtt atcttttact ggtgagcaca gtcattgctc tgcagatggg 240
ctaggattca aagaatataa cacagtgttg ttatcataaa gagtgttgaa gtttatttat 300
tatagcacca ttgagacatt ttgaaattgg aattggtaaa aaaataaaac aaaaagcatt 360
tgaattgtat ntggtggaac agccaaaaaa agagaagtat catttttctt tgtcaaatta 420
tactgnttcc aaacattttt ggaaataaat aactggaatt ttgtcgggca cttgcactgg 480
gngacaagat tngaaccaag aggaacgcct attggagcta aaattttttt gttgggatt 539
```

<210> 1257
<211> 583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 378, 501, 506, 531, 548, 581, 582
<223> n = A,T,C or G

<400> 1257
```
aaatgtgtac aaattcagag gtttaaaaaa cttcgaaagt cacagacaca gaatttagga 60
agctgaaggc tgagagtctc ccttctcact taatccatgc tttattttgc attcctcaca 120
ggtaaggagg cagtgcctgt tatgctgtgg accaagacca gccccacgga gctgatcttc 180
aaaaaaatgg aatttactct ggcatactcc tatgtatgat acctttccaa ggccaaatcc 240
caagagacca gcaagtgcaa ctttgggcaa tgatccaaat ctagaattag ctgccaaata 300
accttggtag actagtccct gggtgacaag catgcttaca agagaaaaag gcagagctct 360
cttccagaaa cttttcttnct gacattctcg cataatcttt gagatctctg ctctgtggat 420
gtgcagtttt gattttggac aaaacaacag gctctgcttg cttgggggtg gaaaatgggc 480
atctttatct ttggtttccc naacanacgc tgaggccatg atgacttttg ncttgctctt 540
cttccagntg gttatcctct tcttactcct ttgacccatg nnt 583
```

<210> 1258
<211> 538
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 306, 404, 503, 521, 524
<223> n = A,T,C or G

<400> 1258
```
ggcaggtctg tggtacaaat cttggccctc tgtgctcaga tcttacctca cgttcttcct 60
ctattaaatg catctaagag tgtgtgatgg ggatggagac aacctattct gggaacccaa 120
aatctatggc tctgcattga tttctgtatt ggaagggtca gtaaattttg tatttctctc 180
tgtgtgtctt tccattactt tactgcagtg aggattttgt gtcatcacga gatgttgaat 240
taatgatagc aggtgatatc cttaggaaag actttgtatt tcagaaatat gtgaattcac 300
cttttnaagg gcataaatcc agcttaacca tgaacataat ataggactta catacaatta 360
tattcccttt ttggcaagtg gactgatttt ccaagaatgg gttncgatat aatttttcaa 420
ctgaaccaga gggtcatggt gacttacatg gcagaatgaa aatcaatgtg cacttaataa 480
tacaatggaa tcagcttttc ttngatcact ccattccatt ntanaattct tttctttc 538
```

<210> 1259
<211> 251

<212> DNA
<213> Homo sapiens

<400> 1259
aaaatgttta atttgcaata tacataatac tggaattgaa atgctgtctg atggaaatgt 60
tgcaatgtgg agtaggaggg tcaagttcgt gaagatattc ttaaaattaa tcttggaaac 120
tctgtgccta tgaggtttct ctaaagtggc taaaatatgc atttaatatg ttgtctaaat 180
gagtacattt aattctagag actgtaagga gtagagatta tatgctttgg ggctttttgt 240
agcatttttt t 251

<210> 1260
<211> 350
<212> DNA
<213> Homo sapiens

<400> 1260
ctgcccctcc ttccacaagt actcaagcct gtttgtaaat actgaaggaa ttgatggggt 60
tgaggaaagg aggtgcatgt gaccagggtc ccaaggccac agcttttcag atcctaggaa 120
gcaagtggca tttgcttgag ttgtggcctc ggaaggagaa tgtttatctg ttttctaact 180
ttgctgacac caggattctc cctgtcattg agaagaaagc attatctaat taccttcagg 240
tggtttactt attctgtaaa gaatatgtgt aaatattttg tacagagccc tgtatcaaat 300
aaacagccat atgtggttac taatcacctc ttctgtcatt ccgtccttgg 350

<210> 1261
<211> 435
<212> DNA
<213> Homo sapiens

<400> 1261
ggacccagtt ccttaccagc ctccctttct ctgtcagtgg ggacgtcatc agccaagctg 60
gaagccatta atgaactaat tcgttttgac cacatatata ccaagcccct agtcttagag 120
ataccctctg agacagagag ccaagctaat gtggtagtga aaatcgagga agcacctctc 180
agcccctcag agaatgatca ccctgaattc attgtctcag tgaaggaaga acctgtagaa 240
gatgacctcg ttccggagct gggtatctca aatctgcttt catccagcca ctgcccaaag 300
ccatcttcct gcctactgga tgcttacggt gactgtggat acggggggttc cctttcccca 360
ttcagtgaca tgtcctctct gcttggtgta aaccattctt gggaggacac ttttgccaat 420
gaactctttc cccag 435

<210> 1262
<211> 198
<212> DNA
<213> Homo sapiens

<400> 1262
ggactgccgg tcacacacca gcacgtccca cctcgtgctc acggatttat tacacagata 60
gtggcggcaa tggcctcagc ccagcccacc ctcacctgct tttccagccc acaagggggg 120
acgatcacgg cccagcaaaa gcgatgctga gagggaaac agtccagagt ccaacagcag 180
aacttggggg aagcggtc 198

<210> 1263
<211> 176
<212> DNA
<213> Homo sapiens

<400> 1263
tgggcattgt gggctacgtg gaaacccctc gaggcctccg gaccttcaag actgtctttg 60
ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120
agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag 176

<210> 1264
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 167, 193, 200, 201, 206, 210, 217, 225, 231, 233, 236
<223> n = A,T,C or G

<400> 1264
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcacctttt agaaaaattc acaagtcccc atccacnaaa aaaaaaaaaa 180
aaaaaaaaat ttncggggan naaaantaan ttttaanaaa aaggnacccc ntnccnggggg 240
ggcct 245

<210> 1265
<211> 469
<212> DNA
<213> Homo sapiens

<400> 1265
ctgaagatag atcgccatca tgaacgacac cgtaactatc cgcactagaa agttcatgac 60
caaccgacta cttcagagga aacaaatggt cattgatgtc cttcaccccg ggaaggcgac 120
agtgcctaag acagaaattc gggaaaaact agccaaaatg tacaagacca caccggatgt 180
catctttgta tttggattca gaactcattt tggtggtggc aagacaactg gctttggcat 240
gatttatgat tccctggatt atgcaaagaa aaatgaaccc aaacatagac ttgcaagaca 300
tggcctgtat gagaagaaaa agacctcaag aaagcaacga aaggaacgca agaacagaat 360
gaagaaagtc aggggggactg caaaggccaa tgttggtgct ggcaaaaagt gagctggaga 420
ttggatcaca gccgaaggag taaaggtgct gcaatgatgt tagctgtgg 469

<210> 1266
<211> 547
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 368, 378, 404, 407, 434, 446, 487, 500, 506, 511, 514, 523,
526, 531, 535, 538, 541
<223> n = A,T,C or G

<400> 1266
ctgctcggtc cagagtaggc ttgcgagact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctcagcaaac cttctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgatc gtatagactc 180
agtggaatgt tggtcacgtc ccatgggcct ttggctctct gtatatcctc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcattttcc cattggtggt 300

```
ccatccaact ttacagactg tccctggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgantt gtccccangt tatgggggtt gatgtcatga ctgnggncgg ccttctctcc 420
gtcttcgcac tcangctcag acctgnccgg gcggcccgtc gaaaagggcg aattccagca 480
cacttgnggg ccgttactan tggatntcta nctngggtcc aanttngccg naatnatngg 540
ncataaa                                                          547
```

<210> 1267
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 378, 439, 460, 476, 485, 505, 512, 518
<223> n = A,T,C or G

<400> 1267
```
ctgctcggtc cagagtaggc ttgcgagact gcattctctg gatgtcccaa tagataacct 60
caaggagctt ggcgtcagga agcaattgcc ctcagcaaac cttctggggc aggcacagtc 120
atgagtttgc ccacattctg tattcatgat aaacagtttg ctgtttgatc gtatagactc 180
agtggaatgt tggtcacgtc ccatgggcct ttggctctct gtatatcctc ctttctgttt 240
atgtattaat tgaaggagtg taaggccagg gtgggcagct ctcattttcc cattggtggt 300
ccatccaact ttacagactg tccctggtgc tccagtagtt tctcagcctc ctgtgtggtt 360
ttcttgagtt gtccccangt tatgggggtt gatgtcatga ctgtggtcgg ccttctctcc 420
gtcttcgcac tcagctcana cctgcccggg cggccgctcn aaagggcgaa ttccancaca 480
cttgncggcc gttactatgg atccnagctc gnaccaanct tggct            525
```

<210> 1268
<211> 360
<212> DNA
<213> Homo sapiens

<400> 1268
```
ctgattaatc attgttgatg actgcagttt ttcccatcct tcccgattta catctgttca 60
ggccaattca aatatggtga gtaaatgaat tagacatgca aattcaagcc ccaggctaga 120
aagagggaga gagaggaaaa gagagagaaa gagagagagc gcgcgcatgg ctgaaatcct 180
aggcgagaag aaagattctt ctgcctgata gttattttaa tgctctaaaa atcctgcaaa 240
tcagaccttc ctgtcccttg caggataact gtaaggcttt ttaatgtaag gaggcttctg 300
gaggaagtga agagctatgg aaacaacaca catagtgtgg aaaaatttca catttttttt 360
```

<210> 1269
<211> 83
<212> DNA
<213> Homo sapiens

<400> 1269
```
ccaattcttc tttctccccc cacccaaaga catgtgagca actgctaatg aaaagcagta 60
aacagccgct taggctatag cag                                     83
```

<210> 1270
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 252, 256, 270, 285, 288
<223> n = A,T,C or G

<400> 1270
cattattaga gcaggaagta caagcatttta aaatatgtag ttcccatata tttcagggtc 60
tctgtgtatt aagctaactc agatgttttg aaagcttttt ctttaaacag aggtgaaata 120
tctgtggcta aaaagtttga gatttgtgat aactttgtag tcatgtaaaa cttaagtgct 180
tcatgcctct ccaaatgtgg ttattctaat aaatggagaa atgagctaaa aaaaaaaaaa 240
aaaaaaaaaa ancccncccc gggggggcccn tcaaaggggg aaatnccncc ccc 293

<210> 1271
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1271
ctgcaagggg tcaacagcta gaatcacgcc tttctgaagg gcagagtatg ctgtaaccac 60
aaacttctaa ttctgggttc tgcaccatca ggaagagaat atcctacagg acagttctcc 120
ttgtatactg cataaaggac tagaatgtgg attcatttct gcttgctttt tgatccttat 180
ggtcctttat gctggcctca aacttgtcaa gcacatgttg gcagacattc atgagctcat 240
tcaggcctct ctgaaatggc tcaacag 267

<210> 1272
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 446, 566
<223> n = A,T,C or G

<400> 1272
attccacttg ggagggtcag gctgtggcct tctggagcag gtggcttgtt aaggaacgct 60
agcagggcat ggcacgtgag ctccggaata gatgtcttca tcacttcttc cactgtgtgt 120
tgacactgtt ttccttacct atttcctcag atccccagct ttctcctctg ctatgcattt 180
tcttcacagt gcagcttgca gtccgttgct gaaaatgatt ataagccctg cataatgtta 240
agctttattg tgattacgtg tatgtttctt ctttcttta agcagaccca tacctttcca 300
gggtcaaagt acagaataga atacattgat acaaagtaca gaaaaatact ttgattttta 360
tccatttctt ttactctgtg taaagacttt agaagtctaa ttcacaggca aaccaataca 420
gaattgactg cagttgaaca gactanaagt atttgtggga ggagtgacat gaagcatgag 480
ttatctgatt ttttttgtag ctgctatata ttttaagcct tcatttgcaa ttcattgtaa 540
cagtgtgtca taaatacaca ataaanccat cctgttcaat 580

<210> 1273
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> 467, 555, 575
<223> n = A,T,C or G

<400> 1273
aaaataactt aaaaattatt gagagtagat tttaactatt ctgcatatta ttttctttgt 60
gatatatgca tcttctgtca tcttccatgg gaaatttgac attgcaacct cacctgaggc 120
catcactttt tccttgatgc tacgaaccat cctgtcatgt gtttgtacca tatcagtagt 180
gaaactgaca gtgctctgat aggggtatac tcttttatcc caatctatat cccaataccc 240
aatagcccag tattcttaga atccagttgt attcatactc tcctggatca tttctgttcc 300
tttgtaatat agtccctttc ttcccttaca ggctcatatg acattaacag acaagacact 360
tttcagaaag acaggtaagt catttgttaa aatctcacta ctgttgttta acagaaacat 420
atatatgcat gtatatgtgt gtcagtatgg aaaaagtggg attagangtt tatctagaaa 480
agaaaaaatt acctctctaa gtgcagaaat gaataatact taaaccatac ctacaattct 540
ctttatattt cccanataag tcaaaattaa aaaan 575

<210> 1274
<211> 216
<212> DNA
<213> Homo sapiens

<400> 1274
aaatactgtg taaaaacttt ttttacacct aagctgtgtt tttgatactg atattttcct 60
atgctgaata gttttcttac tttcagggaa ggtaagaaaa tacttttttt atatttgtta 120
cttatgtaac attcatattt ttctcatttt gatatttgta acatactgta tgctttctac 180
ttgtaaatgt caacaataga attaaaatat ttattt 216

<210> 1275
<211> 74
<212> DNA
<213> Homo sapiens

<400> 1275
aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata cctt 74

<210> 1276
<211> 276
<212> DNA
<213> Homo sapiens

<400> 1276
aaagtgttta ttttttttcta taatacattt cattcaaatc ataaaagtct gatacatttt 60
tttctcaaga acaacttaca ctcatttgag atgcttttc tttcctttaa tcttatagga 120
tggacaaaga tacactttaa tggacaaaaa acaccagagt tcattacaaa tacagcttcc 180
caggccccac ctccagcact tctgactgag cgtctgggac gcatcctagg atcgcaaaac 240
tgtaaaattc ccccagtcaa ctccacggca ggcagg 276

<210> 1277
<211> 370
<212> DNA
<213> Homo sapiens

<400> 1277
ccaggctggt gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60

```
aagtgtgagc caccacaccc aaccaggtta tttgaacatt tttaagtact gtattttctc 120
tattgtaata ttgactgtca tctctgtgca ggttttttag tggttgctct aggttgaaac 180
gctttgaatt cttaggtatc taagagtgag catttтcttt ttttgactgc tatactctca 240
ccagttgcca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
agcaaacttt                                                         370
```

&lt;210&gt; 1278
&lt;211&gt; 586
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 333, 444, 463, 550, 570, 573, 584, 585
&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1278
```
agaagatcaa acagcgactg tttgagaacc ttagaatgct gccgcacgca cctggggtcc 60
aaatgcaggc gattcctgag gacgccatcc ctgaggagag tggcgatgag gacgaagacg 120
accctgacaa gcgcatctcg atctgctcct ctgacaaacg aattgcctgt gaggaagagt 180
tctccgattc tgaagaggag ggagaggggg gccgcaagaa ctcttccaac ttcaaaaaag 240
ccaagagagt caaaacagag gatgaaaaag agaaagaccc agaggagaag aaagaagtca 300
ccgaagagga gaaaaccaag gaggagaagc canaagccaa aggggtcaag gaggaggtca 360
agttggcctg aatggacctc tccagctctg cttcctgct gagtccctca cgtttcttcc 420
ccaacccctc agattttata tttnctattt ctctggggaa ttnatataaa aatttattaa 480
atataaatat cccccaggga cagaaaccaa ggccccagc tcagggcaga cctgcccggc 540
gggccgttcn aaagggcgaa ttcagcaccn ttncggccgt tctnng        586
```

&lt;210&gt; 1279
&lt;211&gt; 576
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 519, 537, 550, 563, 566, 571, 575
&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1279
```
agaagatcaa acagcgactg tttgagaacc ttagaatgct gccgcacgca cctggggtcc 60
aaatgcaggc gattcctgag gacgccatcc ctgaggagag tggcgatgag gacgaagacg 120
accctgacaa gcgcatctcg atctgctcct ctgacaaacg aattgcctgt gaggaagagt 180
tctccgattc tgaagaggag ggagaggggg gccgcaagaa ctcttccaac ttcaaaaaag 240
ccaagagagt caaaacagag gatgaaaaag agaaagaccc agaggagaag aaagaagtca 300
ccgaagagga gaaaaccaag gaggagaagc cagaaccaaa ggggtcaagg aggaggtcaa 360
gttggcctga atggacctct ccagctctgg cttcctgctg agtccctcac gtttcttccc 420
caacccctca gattttatat tttctatttc tctgggtatt tatataaaaa tttattaaat 480
ataaatttcc cagggacaga aaccagcccc cgagctcang gcaacctgcc cggcggncgt 540
tcgaaaggcn attccacaca ctnggnccgt nctang                 576
```

&lt;210&gt; 1280
&lt;211&gt; 668
&lt;212&gt; DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 13, 42, 264, 522, 530, 554, 559, 567, 594, 602, 605, 616,
634, 637, 645
<223> n = A,T,C or G

<400> 1280
ccacccctat ggnacagggc cttgagggag ggtgagtgtg gnggcggtct tacgtgttct 60
tctcatacct ggcaaacaga gtgagcacaa gccgctggaa gccaagcggg aaggcacatc 120
tagaagggca gtgagctctg gaatgctaca ggcacgtgtg gatggatgag gctccatggc 180
ggccaaggag atatctgctc ctgagtaagg tcacctgacc acagacagca ccagggctg 240
gggggctaag aaggagatct tganaaggat ggacctgagc taaagatgta acttagatgg 300
tgatctgaaa aaaggaaaaa agaataaacg ctggaactca aatccactgt ttagggtaca 360
ggagtacaca gctaagttcc aggtatccag aatcttgtgt ccaaatcata gcacaaggag 420
aacaggaatt ctcttgagtt aaggcaaaat caatcttcac ccatctgggc tcttccattg 480
catggtttgg aaaggaaggg ctgggcagag atcattcctc tncccatctn cccaccttgc 540
ccgggcgggc caanggccna attccancccc cacttggcgg ggccggttac ctantgggaa 600
tnccnaacct tcggtncccc aaaacctttg ggcngtnaat tcatngggcc attagctggt 660
ttccctgt 668

<210> 1281
<211> 402
<212> DNA
<213> Homo sapiens

<400> 1281
aaagtgactt ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagttttta tgaaaaatga caagtcgatg gttaaacttc tcatgtcttt ggtgctttgg 120
ccctaatagc actggacaac accacgacca catggaaaca tatttttgga agcaaaactt 180
taattttata taacgtatgc tatggagagc taagacaatt taaggactac ttgttttcta 240
ttttttttct taataaaatg gaatccactg tgttgaagac tcttgatatc atgtgcttgt 300
ctaaccattt tttgttttat aaattagaat aaaatatagt tgtgataatg gcatcgaatg 360
gatttgtttg gaaagctaca tcttatttgt gaaatgtttt tt 402

<210> 1282
<211> 143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 119, 120, 129, 135, 137
<223> n = A,T,C or G

<400> 1282
ctgaggccaa ggagtgaaaa acctattact actaagagaa ggggtgcaga gtgtttacct 60
ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaagnn 120
tgattccant aaaananttg tgg 143

<210> 1283
<211> 361
<212> DNA

<213> Homo sapiens

<400> 1283
caattttgct aatagtggct tattcacaga tataaataaa gtattagcat aaatcgtagc 60
cttaaaaaag ccttttatat gtccttttat atagaatttt acatggtctt caaagaatag 120
tatgtaattg agaaaaagat tagaagggaa tatgtagaaa tagaagaat tatgttagag 180
tgataggatt atgtaatttt ttcttagtat tttctcagtt catcaaactt tctattatac 240
cctgattata ctgattatat tacctcctac gctgactcaa aatctttttt tttcccctca 300
ggtggcgaca tgtctaagaa tgtgagccag tcacagatgg caaaattgaa ccaacaaatg 360
g                                                                 361

<210> 1284
<211> 403
<212> DNA
<213> Homo sapiens

<400> 1284
aaagtgactt ttagcactaa aatgcctaga agattttact ccagacctat aaggaaatgt 60
ttagttttta tgaaaaatga caagtcgatg gttaaacttc tcatgtcttt ggtgctttgg 120
ccctaatagc actggacaac accacgacca catggaaaca tattttttgga agcaaaactt 180
taattttata taacgtatgc tatggagagc taagacaatt taaggactac ttgttttcta 240
ttttttttct taataaaatg gaatccactg tgttgaagac tcttgatatc atgtgcttgt 300
ctaaccattt tttgttttat aaattagaat aaaatatagt tgtgataatg gtcatcgaat 360
ggatttgttt ggaaagctac atcttatttg tgaaatgttt ttt                   403

<210> 1285
<211> 105
<212> DNA
<213> Homo sapiens

<400> 1285
caagttttat gatttatttta acttgtggaa caaaaataaa ccagattaac cacaaccatg 60
ccacctgccc gggcggccct cgagccctat agtgagtcgt attag                 105

<210> 1286
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1286
aaattattat ttatagaaag aatctataaa ttcttgggga agtgtgttat aagctttaat 60
aattacattg agctgcacct cagtggtgtg tcattaacat gcagtggggt taatatctga 120
ggcctcagat gactttgtgc cttttggaat aaagggtaaa ataaactctc ccagagtaag 180
agctgtatc                                                         189

<210> 1287
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 539, 563
<223> n = A,T,C or G

<400> 1287
aaaaacacta cttttgcttt tttatttacc ttttaagaca ttttcatgct tccaggtaaa 60
aacagatatt gtaccatgta cctaatccaa atatcatata aacattttat ttatagttaa 120
taatctatga tgaaggtaat taaagtagat tatggccttt ttaagtattg cagtctaaaa 180
cttcaaaaac taaaatcatt gtcaaaatta atatgattat taatcagaat atcagaatat 240
gattcactat ttaaactatg ataaattatg ataatatatg aggaggcctc gctatagcaa 300
aaatagttaa aatgctgaca taacaccaaa cttcattttt taaaaaatct gttgttccaa 360
atgtgtataa ttttaaagta atttctaaag cagtttatta taatggtttg cctgcttaaa 420
aggtataatt aaacttcttt tctcttctac attgacacac agaaatgtgt caatgtaaag 480
ccaaaaccat cttctgtgtt tatggacctg cccgggcggg cgctcgaaag ggcgaattnc 540
agcacactgg cgggcggtac tantggat 568

<210> 1288
<211> 248
<212> DNA
<213> Homo sapiens

<400> 1288
aaaaggtttc tttataatga aaaggttaaa atagctactc tgctaccaca tcgtccagca 60
gttccacctt tagggtcttg aagagatatt tgtacaccca tgttcacagg agcattattc 120
acaatagcca aaggatggaa gcaacattgg tgtccatcga cagaccatgg ataaacaaaa 180
catggtatag acatccaatg aaatattatt cagccttaaa aaagaagaaa attgacacat 240
gctacaac 248

<210> 1289
<211> 322
<212> DNA
<213> Homo sapiens

<400> 1289
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaataggggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aa 322

<210> 1290
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1290
cttacataat ctttgttttg atatcacagt tgtctaatta ttttactttg tagcttaagg 60
caggctgaat tgttgataaa atggaaaaag tagtatattg ttatataagc ttctgaggtg 120
tgttttgttg tataagccct ggaggtaaaa aagtcatccc ttatgtatag tagttaaagg 180
cataaaactg tgactttag atattccaca gaaccagact tatttgatgt ggataataac 240
caatgattta gcattttgtt tgcttttgtt ttatttatc cgggttcatt ttttactctt 300
cccatgcaca tgaaacaggt ggtggcgtgt agagatcag 339

<210> 1291
<211> 189
<212> DNA

<213> Homo sapiens

<400> 1291
cccgcctcgg cctcccaagg tgctgggatt acaggcttga gccactgcgc ccggccactg 60
ctttctcttt aagctccttt agaacaaagc tgctgtcaag gctcactttc atcagcccct 120
aggacatccc accagaatag ctctccacct ccctgcctgt tctagtcccc aagtccccac 180
tgcctgcag 189

<210> 1292
<211> 347
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 113, 191, 318
<223> n = A,T,C or G

<400> 1292
ctgttggacc ggcacatttc tatgccacaa atgaccacta cttctctgat cctttcttaa 60
agtatttaga aacatacttg aacttacact gggcaaatgt tgtttactac agnccaaatg 120
aagttaaagt ggtagcagaa ggatttgatt caggaaatgg gatcaatatt tcacctgatg 180
ataagtatat ntatgttgct gacatattgg ctcatgaaat tcatgttttg gaaaaacaca 240
ctaatatgaa tttaactcat ttgaaggtct tgagctggat acactggtgg ataattaatc 300
tattgatcct tcctcggngg acatctgggt aggctgtcat cctaatg 347

<210> 1293
<211> 516
<212> DNA
<213> Homo sapiens

<400> 1293
aaacagatgg agttactgtg aagaagtttt cacaactatt tatgctggta aaacaaatgc 60
tgttaaatca ccttatgcgt cgttttcaac agcagtgggg ctaattaccc ggaatacggt 120
ctcaccgatg cagttttcat ggacatagaa aattcaaata gaatatataa tattgaattt 180
aagatttggg gggttaaaaa agaaaactta actttataaa attatttatt ctattttaag 240
ccttctatca tattttccca tccaattgtt tggtttcagt ggtccagctt tatttacagg 300
catataaaat gaaattgtga gatgttttgc aagcttcttt ttactttgag tagcttttaa 360
tttgtatgtt tttatgtgga tgaagagcat tttttatgct tttgtgcaat aggttccaat 420
atgcatttat tagacatctg tttaaatggt aatgtagcat ttattttgct aaattgtaag 480
ggaacataga tggaattcca aaatatgtac attcag 516

<210> 1294
<211> 157
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 68
<223> n = A,T,C or G

<400> 1294
aaacatctca catatacaaa ataggtacaa tttaatttttt ctgcttgccc aagaaacaaa 60

```
gcttctgngg aaccatggaa gaagatgaaa atgagactga caaagaacaa atgctgaatc 120
tgaagaagag gacaactttg ggcaaataat ctgcata                             157
```

<210> 1295
<211> 473
<212> DNA
<213> Homo sapiens

<400> 1295
```
aaaaaaaacc caaaaattaa tggctcaaga tactacattg ctaaagttag gggaaaaaag 60
taaaaaggct gtgagttctg ttgcaagagc tcatttgtag acttgcaaaa tctaactaat 120
tttatattat gcttgttgtt agagcagtgc tcaaaattac agaagcttca aattgttatg 180
ttttcacaaa atttgctaca tatgttgaca tgaatgtgtg tcagggaatt catacccagg 240
taaatgacaa ttacatcagt atagctaatt tttgccacct tgggaggaat ggaattctgc 300
ctattttcga attaatccta cagcactcgc taaaaactaa cagccatggc accataatac 360
attttgtgag gtcctagaat attactaatg gaaacaaaaa atgtgaggta aaccgacctt 420
tccccaagaa actttgaagc cagaaatttt acctgcccgg ggcgggccgc tcg           473
```

<210> 1296
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 4, 13, 35, 355, 443, 453, 468, 470, 488, 526, 530, 535, 557, 573, 576, 577, 585, 588, 594, 597, 598, 609, 612, 618, 632, 639
<223> n = A,T,C or G

<400> 1296
```
gctnctactt aanaatgctt cttcctcccc cactncttca cttaaggtat aagtctaccc 60
ctaaagtgca tttctcaggc attaaaaaca gcactgtgat ttgctttcca cagagtccta 120
aataacagcc accttcttca tttgagaggc tacagagttc aagctgagct gtgacaggag 180
ccaggggggcc agggccccag aatagctttt tgaaaaaaaa taattatgcc accctcctcc 240
gcggcaggta tcttctctta ccacaaataa atatttaatg catccttgga gtcatgaaat· 300
attgagaacc caattgacac ttcaatttcc agaaaaataa aatcatgaag gcatngtgta 360
aatattctga atttggtgga atgagacaac gcgtaagggg gcgggcctga agtctcgggt 420
ttggaactgg gggtttgggg tantgctggg tangcaagtc ctggaacncn caggctatac 480
cttgcccngg cggcccgctc gaaccctata gtgagtcgta tttaanaaan ggcgnaattc 540
ccaaccacca cttggcnggg ccggtttacc tangtnngaa tcccnaancc ttcnggnnac 600
ccaaaaagcnt tngggcgnta aatcattggg gncattaanc ttggttttcc ct           652
```

<210> 1297
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1297
```
ctgtaggatt gccagattta gaaaaaccaa acaatgagaa aaaccagcat gctcagttaa 60
atttgaattt cagacaaaca atgaatgctt ttactgtaaa tatatgccaa atattgcatg 120
aaacattctt aacgtgaaat tgtttctctg aaattcaaac ttaactgggc atcttgtact 180
tgatctgaca atcctacaaa tagataaata caaaaaagaa aggagagggg gttgtaaccc 240
ctgccactgt tgggtcacac agagactaaa aataaaaaca acacgaataa tgaaccaaag 300
```

```
agtcactaca ctggttgctc acac                                      324

<210> 1298
<211> 567
<212> DNA
<213> Homo sapiens

<400> 1298
gagaaaggca tgaagtctac cttcaaattc atggcatttt agaaggaaaa attgtcgcaa 60
gtaatgtgat tatacttcct agttttatag gtcagaaaaa tgaggtccac actaattttg 120
cctcttccac agggagatag attctcatct accattgtgt cttttgtttc tgtttttgtc 180
atgatacctc aaattgatat atgttgtaat tatgaattta aggaagtaaa aaaataactc 240
agggctggag ccttcagcca tattaacata cattgacata aagacctttg ttttaatatg 300
aatgattcca gttaacaaat ggagaaatag ttgtttgaaa attaatattt agcttctcaa 360
aagagactcc tgtttggaag caaattgttg gtttaacagg acatacttta gatatttgaa 420
aaattctctg tggaatcaca atctcttatt tttaagaatg taggaatatg tgttctatat 480
gcttttaagt tatgtattac atactattct ctaaaataga aatgtttatt tggcttctaa 540
aaagtcattt gtgagttgat gttattt                                  567

<210> 1299
<211> 783
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 626, 640, 649, 655, 661, 670, 702, 712, 714, 720, 731, 744,
758, 764, 765
<223> n = A,T,C or G

<400> 1299
gctccaccgc cggcgcagca gggaaaggca aaggcaaagg cggctcggga gattcagccg 60
tgaagcaagt gcagatagat ggccttgtgg tattaaagat aatcaaacat tatcaagaag 120
aaggacaagg aactgaagtt gttcaaggag tgcttttggg tctggttgta gaagatcggc 180
ttgaaattac caactgcttt cctttccctc aacacacaga ggatgatgct gactttgatg 240
aagtccaata tcagatggaa atgatgcgga gccttcgcca tgtaaacatt gatcatcttc 300
acgtgggctg gtatcagtcc acatactatg gctcattcgt tacccgggca ctcctggact 360
ctcagtttag ttaccagcat gccattgaag aatctgtcgt tctcatttat gatcccataa 420
aaactgccca aggatctctc tcactaaagg catacagact gactcctaaa ctgatggaag 480
tttgtaaaga aaaggatttt tcccctgaac attgaaaaaa gcaaatatca cctttgagta 540
catgtttgaa gaagtgcccg attgtaatta aaaattcaca tcttgatcaa tggtcctaat 600
gtgggaacct tgaaaaagaa agtcangacc ttcgggccgn gaaccaccnc ttaangggcg 660
naatttccan ccaccacttg ggcggggccg gttaccttag tnggaattcc cnancctton 720
ggtaccccaa ncctttgggg cggnaaaatc atttgggnca ttanncttgg ttttcccctg 780
ggg                                                            783

<210> 1300
<211> 324
<212> DNA
<213> Homo sapiens

<400> 1300
agaacataca gttgagtggg agtaaacaaa aagataaaca tgcatgttaa tggctgttcg 60
agagaaatcg gaataaaagc ctaaacagga acaacttcat cacagtgttg atgttggaca 120
```

```
catagatggt gatggcaaag gtttagaaca cattattttc aaagactaaa tctaaaaccc 180
agagtaaaca tcaatgctca gagttagcat aatttggagc tattcaggaa ttgcagagaa 240
atgcattttc acagaaatca agatgttatt tttgtatact atatcactta gacaactgtg 300
tttcatttgc tgtaatcagt tttt                                        324
```

```
<210> 1301
<211> 735
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 177, 419, 442, 542, 552, 572, 618, 625, 633, 651, 652, 662,
668, 674, 686, 691, 693, 706, 709, 716, 726
<223> n = A,T,C or G
```

```
<400> 1301
ctggcattcc ttcgacttct ctccagccga gcttcccaga acatcacata tcactgcaaa 60
aatagcattg catacatgga tcaggccagt ggaaatgtaa agaaggccct gaagctgatg 120
gggtcaaatg aaggtgaatt caaggctgaa ggaaatagca aattcaccta cacagtnctg 180
gaggatggtt gcacgaaaca cactgggg aa tggagcaaaa cagtctttga atatcgaaca 240
cgcaaggctg tgagactacc tattgtagat attgcaccct atgacattgg tggtcctgat 300
caagaatttg gtgtggacgt tggccctgtt tgcttttttat aaaccaaact ctatctgaaa 360
tcccaacaaa aaaaatttaa ctccatatgt gttcctcttg ttctaatctt gcaaccagng 420
caagtgaccg acaaaattcc angttattta tttccaaaat gtttggaaaa cagtataatt 480
tgacaaagaa aaaatgatac cttctctttt tttttgctgt tccaccaaat acaattcaaa 540
angctttttt gntttatttt tttacccaat tncaatttca aaaatgtctc aatgggggct 600
ataataaaat aaaacttnac acttntttta ttnaaaacaa acactggggg nnatattcct 660
tngaaatncc taancccaat cttgcnaaaa ncnaatgacc tggggnttna cccaanaaaa 720
aaaaanaacc cttt                                                    735
```

```
<210> 1302
<211> 199
<212> DNA
<213> Homo sapiens
```

```
<400> 1302
aaattatata attttagtga atcaaagact tataaaatta caattttggt tttcacaaca 60
tagaaaaaat acaaaaatga ctatatatac ggttgtacaa ttttttaccc aaatttcaaa 120
ggagcagtat gtattgaatt taatgtttta taatgtttta tctgaaactc agaactgcaa 180
gtaatttgca ggttgtacc                                              199
```

```
<210> 1303
<211> 336
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 302, 306, 313, 319, 324, 331
<223> n = A,T,C or G
```

```
<400> 1303
ctgggcgatg tgcgagctga tagtgagcgg cagaatcagg agtaccagcg gctcatggac 60
```

```
atcaagtcgc ggctggagca ggagattgcc acctaccgca gcctgctcga gggacaggaa 120
gatcactaca acaatttgtc tgcctccaag gtcctctgag gcagcaggct ctggggcttc 180
tgctgtcctt tggagggtgt cttctgggta gagggatggg aaggaaggga ctcttacccc 240
cggctcttct cctgacctgc caataaaaat ttatggtcca aggaaaaaaa aaaaaaaaaa 300
anncctncccg ggnggccgnt caangggcaa nttcca                          336
```

```
<210> 1304
<211> 444
<212> DNA
<213> Homo sapiens
```

```
<400> 1304
ctggaagcca acttgctggc acccccgctc cccaacccxt cttgcctggg taggagaggc 60
taaagatcac cctaaattta ctcatctctc tagtgctgcc tcacattggg cctcagcagc 120
tccccagcac caattcacag gtcacccctc tcttcttgca ctgtccccaa acttgctgtc 180
aattccgaga tctaatctcc ccctacgctc tgccaggaat tctttcagac ctcactagca 240
caagcccggt tgctccttgt caggagaatt tgtagatcat tctcacttca aattcctggg 300
gctgatactt ctctcatctt gcaccccaac ctctgtaaat agatttaccg catttacggc 360
tgcattctgt aagtgggcat ggtctcctaa tggaggaagt gttcattgta taataaagtt 420
attcacctga gtatgcaata aaga                                        444
```

```
<210> 1305
<211> 451
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 426
<223> n = A,T,C or G
```

```
<400> 1305
aaaattcacg gcaccatgga aatgtagctg aacgtctcca gtttccttct ttggcaactt 60
ctgtattatg cacgtgaagc cttcccggag ccagcgagca tatgctgcat gaggaccttt 120
ctatcttaca ttatggctgg gaatcttact ctttcatctg ataccttgtt cagatttcaa 180
aatagttgta gccttatcct ggttttacag atgtgaaact ttcaagagat ttactgactt 240
tcctagaata gtttctctac tggaaacctg atgctttat aagccattgt gattaggatg 300
actgttacag gcttagcttt gtgtgaaaac cagtcacctt tctcctaggt aatgagtagt 360
gctgttcata ttactttggt tctatagcat acttgcatct ttaacatgct atcatagtac 420
atttanaatg attgcctttg attttttttt t                                451
```

```
<210> 1306
<211> 365
<212> DNA
<213> Homo sapiens
```

```
<400> 1306
caaatggtca ttgatgtcct tcacccgggg aaggcgacag tgcctaagac agaaattcgg 60
gaaaaactag ccaaaatgta caagaccaca ccggatgtca tcttcgtatt tggattcaga 120
actcattttg gtggtggcaa gacaactggc tttggcatga tttatgattc cctggattat 180
gcaaagaaaa atgaacccaa acatagactt gcaagacatg gcctgtatga gaagaaaaag 240
acctcaggaa agcaacgaaa ggaacgcaag aacagaatga agaaagtcag ggggactgca 300
aaggccaatg ttggtgctgg caaaaagccg aaggagtaaa ggtgctgcaa tgatgttagc 360
tgtgg                                                             365
```

<210> 1307
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1307
aaaaaaaatg tggaggaaag tagaaattta ccaaggttgt tggcccaggg cgttaaattc 60
acagattttt ttaacgagaa aaacacacag aagaagctac ctcaggtgtt tttacctcag 120
caccttgctc ttgtgtttcc cttagagatt ttgtaaagct gatagttgga gcattttttt 180
attttttaa taaaaatgag ttggaaaaaa aataagatat caactgccag cctggagaag 240
gtgacagtcc aagtgtgcaa cag 263


<210> 1308
<211> 141
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 94
<223> n = A,T,C or G

<400> 1308
ctgtggccct gggggcaggt gggctctgag gctgcaaaca ccctgagtgc cagtggtccc 60
agagggggtg aggcctctat ctgtaccttt attncagcca gcctcctggc acagggctgg 120
gcccacatcc tggcctctgc a 141


<210> 1309
<211> 230
<212> DNA
<213> Homo sapiens

<400> 1309
taggaacacg aagcacgatc agtccatccc agagggaccg gagttatgac aagctttcca 60
aatattttgc tttaccagcc gatatcaaca cttgtatctg gcctctgtgc cccagcagtg 120
ccttgtgcaa tgtgaatgtg cgcgtctctg ctaaaccacc attttatttg gttttgtttt 180
tgttttggtt ttgctcggat acttgccaaa atgagactct ccgtcggcag 230


<210> 1310
<211> 293
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 234, 247, 251, 263, 271, 274, 280, 285, 286
<223> n = A,T,C or G

<400> 1310
ctgatttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agttttttg tacaagcttt tttttttttt ttttttttt tttnaaaaaa 240

aaaaccnccc nggggggccc ttnaaagggg naantcccan ccccnngggg gcg          293

<210> 1311
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420
<223> n = A,T,C or G

<400> 1311
agaaaaagaa ggattgatca gagcattgtg taatacagtt tcattaactc cttcccccgc 60
tcccccaaaa atttgaattt tttttttcaac actcttacac ctgttatgga aaatgtcaac 120
ctttgtaaga aaccaaaat aaaaattgaa aaataaaaac cataaacatt tgcaccactt 180
gtggcttttg aatatcttcc acagagggaa gtttaaaacc caaacttcca aaggtttaaa 240
ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga cctagacaga 300
gatgaactga ggtccttgtt ttgttttgtt cataatacaa aggtgctaat taatagtatt 360
tcagatactt gaagaatgtt gatggtgcta gaagaatttg agaagaaata ctcctgtatn 420
gagttgtatc gtgtgggggt attttttt                                    447

<210> 1312
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1312
ccacagttga ggggaacttt gccagcattg atgaacggat gaagaagctg ggaaagtgag 60
cacatttggg agctggagaa caggggttat ccctaccct gtgaactctg ttaacagctt 120
acatagggtt tcccctttac tataactcta gcatccccat cccatttgac actgggggca 180
agggttcttc ttgcatgtgg ggtttatacc cctcccctga tgaatacaga gtggtagcta 240
ggggttggtt atcatcagaa ggtggtctcc cctcagg                          277

<210> 1313
<211> 365
<212> DNA
<213> Homo sapiens

<400> 1313
ctgccgtgcc atatcctgct tggcccgctg cagggcggct tccagctcct cctgcttggc 60
acgagcatcc ttgagcgcca gctccccacg ctcctcagcc tcggcaatgg cggcctccaa 120
cttggcacgc tggttcttga tgttttcgat ctcagcctgc agcctctgga tggcccggtt 180
catctctgaa atctcattcc gggtattccg gaggtcgtcc ccatgcttcc cagcctgggc 240
ctggagggcc tcaaacttgg tctggtacca ggcttcagcc tcagcccggc tgcatttggc 300
catctcctca tactgcgcct tgacctcagc gatgatgccc gtccaggtcc agggagcgac 360
tgttg                                                             365

<210> 1314
<211> 419
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 3, 15, 364
<223> n = A,T,C or G

<400> 1314
gantcacaaa tgatnatact taagtgagca aaaatgacaa gttttactag ctaagtagag 60
aaataaatct cagatgcagc gctacaattt tcattatctt aagcacattg tacatttcta 120
cagaacctgt gattattctc gcatgataag gatggtactt gcatatggtg aattactact 180
gttgacagtt tccgcagaaa tcctatttca gtggaccaac attgtggcat ggcagcaaat 240
gccaacattt tgtggaatag cagcaaatct acaagagacc ctggttggtt tttcgttttg 300
ttttctttgt tttttccccc ttctcctgaa tcagcaggga tggaaggagg gtagggaagt 360
tacnaattac tccttccagt agtagctctg aagtggcaca tttaatatca gttttttt 419

<210> 1315
<211> 374
<212> DNA
<213> Homo sapiens

<400> 1315
ccaccaattg gatccaggag aaagtgtggc tctctcagga ggtggacaaa ctgagagtga 60
tgttcctgga gatgaaaaat gagaaggaaa aactcatgat caagttccag agccatagaa 120
atatcctaga ggagaacctt cggcgctctg acaaggagtt agaaaaacta gatgacattg 180
ttcagcatat ttataagacc ctgctctcta ttccagaggt ggtgagggga tgcaaagaac 240
tacagggatt gctggaattt ctgagctaag aaactgaaag ccagaatctg cttcacctct 300
ttttacctgc aatacccccct taccccaata ccaagaccaa ctggcataga gccaactgag 360
ataaatgcta ttta 374

10015216.121201

<210> 1316
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 37, 55, 69, 103, 111, 143, 152, 166, 191
<223> n = A,T,C or G

<400> 1316
ccaaatcagg tcataggatt cctttttttt tttaaanata agtaaatgca tccanaaatg 60
tatgcacana tttaagtttt ccccatagtt ttatctgcta ggngataggg nggagcttct 120
tagtgcttct gctgggaatt canataggac anacttgcag cctcanagga cacactgcag 180
gtagtgcaaa nagacatgga aggaaaacac actgcctgct acatagtttt tatcccaggt 240
ataatttgtg aggaatgtat agcaaatgtt tcttaaagca tgaatcctct tcttgaattc 300
ttgtttttat gaaagccatc caactactta ctcaatcctc t 341

<210> 1317
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1317
caaggccatt tttgctggct ataagcgggg tctccggaac caaagggagc acacagctct 60
tcttaaaatt gaaggtgttt acgcccgaga tgaaacagaa ttctatttgg gcaagagatg 120
cgcttatgta tataaagcaa agaacaacac agtcactcct ggcggcaaac caaacaaaac 180

```
cagagtcatc tggggaaaag taactcgggc ccatggaaac agtggcatgg ttcgtgccaa 240
attccgaagc aatcttcctg ctaaggccat tggacacaga atccgagtga tgctgtaccc 300
ctcaaggatt t                                                      311
```

```
<210> 1318
<211> 345
<212> DNA
<213> Homo sapiens
```

```
<400> 1318
aaatataatt taagaacccc tccaagcacc ggcgtccgtt tctgggttcc accaccaact 60
accgcccttt tcactacctc accccacacc ccttcatagg acacagcttg ggggtcccag 120
gcggggtccg gggatgtggg atgaccaagg cactgttctg gaaacagaca tgatgatggg 180
cccctgtttc aacttgggca aaggaggcca tagtgaaaca ggttccctcc aacacaaagt 240
tatgacaagg acggtagaaa aacaaaacga agaaacaaaa agggaacggg gagaaaaatt 300
aagaccaaaa acaaaactca aaaaccttca atatgaaggc agcag             345
```

```
<210> 1319
<211> 386
<212> DNA
<213> Homo sapiens
```

```
<400> 1319
aaattttatt tcaaaagctt ggatagcttc aatatccagg ttgtggcaaa atcaggacac 60
gtgtaaaata ccttacaata cattagattc ccaaaaggta ccaaaaagta cagtaaaatt 120
aacacttccg ttacaggaaa tgtatgacgc aaataatata aaattaaaag gtgaaaaaaa 180
ggtgacactg gtttcctaag atacaattta ctctttacaa ccagggtcca caggtccagg 240
ctgcagagcg gcagcaggaa gcagagcctc ccacctgctt ctgggggacc tggtaataaa 300
aatcagccca tgatggcgct atggcctctc agacaccaca cgctgcctaa acacctagag 360
ctctggaaat agtcaacagg agagtg                                      386
```

```
<210> 1320
<211> 241
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 231
<223> n = A,T,C or G
```

```
<400> 1320
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa gttttttgt acaagctttt tttttttttt tttttttttt naaaaaaaaa 240
c                                                                 241
```

```
<210> 1321
<211> 358
<212> DNA
<213> Homo sapiens
```

```
<400> 1321
```

```
ctggaatgca aagaaatgtg cacaacccag agctctgtca gccttgccaa aactcaagtg 60
cccccatggg agggtcttgc aacatatgtt ctgttgagca aagaggttgc aaaccaagcg 120
gttattgcaa taaacaccac ttgtgacaaa caaagtttgt aagtttaaat ttattttta 180
aaaatgcttg tcttcctcac tagacaatca actctatgag ggcagagact atgtcaccac 240
tgtcccacca gcccctggca cacagtaggt actcaataaa tatatgttgg aaggatggat 300
ggaggtaatg gatggaaaga tggatggaag gatgaatgga gggatggatg tgacccag    358
```

<210> 1322
<211> 152
<212> DNA
<213> Homo sapiens

<400> 1322
```
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaatgtac 120
aaagatgttt tccactttt tcaattttta aa                                152
```

<210> 1323
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 18, 27, 35, 60
<223> n = A,T,C or G

<400> 1323
```
ggcctcaatn actgtaanag accctcncag cccanaggcg cccactagga agtcagcagn 60
cctagctcgg ccacacttgg tgctcccagc atcccaggga gagacacagc ccactgaaca 120
aggtctcagg ggtattgcta agccaagaag gaactttccc acactactga atggaagcag 180
gctgtcttgt aaaagcccag atcactgtgg gctggagagg agaaggaaag ggtctgcgcc 240
agccctgtcc gtcttcaccc atccccaagc ctactagagc aagaaaccag ttgtaatata 300
aaatgcactg ccctactgtt ggtatgacta ccgttaccta ctgttgtcat tgttattaca 360
gctatggacc tcgggccgcg accacg                                      386
```

<210> 1324
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 398, 556, 611, 638, 642
<223> n = A,T,C or G

<400> 1324
```
aaaccaatct tccaggagat taatcaatga aatttataag ctttatcaac gtataaaatt 60
ttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac atttttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaagagaagt atcattttc tttgtcaaat tatactgntt ccaaacattt tggaaataaa 420
```

```
taactggaat tttgtccggt cacttgcact gggttgacaa gattagaacc aagaggaaca 480
catatgggag ttaaattttt ttacctgccc cgggccggcc cgcttcgaaa ggggcgaatt 540
cccagcacac ctggcnggcc cgttacctaa gtgggatccc cgagcttcgg gtacccaaag 600
cctttggccg ntaaatcaat ggggccatta agccttgntt tnccttg           647
```

```
<210> 1325
<211> 547
<212> DNA
<213> Homo sapiens
```

```
<400> 1325
ctgctcttca tttattttga aagcaaattc atttgaaagt gcataaatgg tcatcataag 60
tcaaacgtat caattagacc ttcaacctag gaaacaaaat tttttttttt ctatttaata 120
acacaccaca ctgaaattat ttgccaatga atcccaaaga tttggtacaa atagtacaat 180
tcgtatttgc tttcctcttt cctttcttca gacaaacacc aaataaaatg caggtgaaag 240
agatgaacca cgactagagg ctgacttaga aatttatgct gactcgatct aaaaaaaatt 300
atgttggtta atgttaatct atctaaaata gagcattttg ggaatgcttt tcaaagaagg 360
tcaagtaaca gtcatacagc tagaaaagtc cctgaaaaaa agaattgtta agaagtataa 420
taaccttttc aaaacccaca atgcagctta gttttccttt atttatttgg gggtcatgaa 480
gactatcccc atttctccat aaaatcctcc ctccatactg ctgcattatg gcccaaaaga 540
ctctaag                                                        547
```

```
<210> 1326
<211> 311
<212> DNA
<213> Homo sapiens
```

```
<400> 1326
ctgcctcccc agctctatcc caacctctcc caactataaa actaggcgct gcagcccctg 60
ggaccaggca cccccagaat gacctggccg cagtgaggcg gattgagaag gagctcccag 120
gaggggcttc tgggaagact ctggtcaaga agcatcgtgt ctggcgttgt ggggatgagc 180
ttttttgtttt gtttcttcct tttttagttc ttcaaagata gggagggaag ggggaacatg 240
agcctttgtt gctatcaatc caagaactta tttgtacatt ttttttcaat aaaacttttc 300
caatgacatt t                                                   311
```

```
<210> 1327
<211> 382
<212> DNA
<213> Homo sapiens
```

```
<400> 1327
aaattagaga ggttaacaag acagatgatt actatgcctc atgtgctgtg tgctctttga 60
aaggaatgac agcagactac aaagcaaata agatatactg agcctcaaca gattgcctgc 120
tcctcagagt ctctcctatt tttgtattac ccagctttcc ttttaataca aatgttattt 180
atagtttaca atgaatgcac tgcataaaaa ctttgtagct tcattattgt gaaacatatt 240
caagatccta cagtaagagt gaaacattca caaagatttg cgttaatgaa gactacacag 300
aaaacctttc taaggatttg tgtggatcag atacatactt ggcaaatttt tgagttttac 360
attcttacag aaaagtccat tt                                       382
```

```
<210> 1328
<211> 228
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 207
<223> n = A,T,C or G

<400> 1328
aaatgcagaa gaagaaacaa aacgaaacaa aaagatcatt ctgcaaagag acctctcaac 60
tcttcatcag ccagtggcat aactcagaaa ctgatttaac taatttatta tttgagaaaa 120
ggggattgaa aaaaattggg gggtataatc ttctgattca caattcccag ccacattctt 180
ttctgtttat tctctctctt ttttttnttt tttttttttt ttaaaaaa 228

<210> 1329
<211> 261
<212> DNA
<213> Homo sapiens

<400> 1329
aaacatttcc tttgctatga tacaaaggat acttacaaac aaaatattac atatgacctt 60
gttttcgctc ttatgttctg acaacttggt aacagctttt aatgcacaat ctatacaatt 120
aatacaggtt atatatgaac tataaggtat gctgaaccag aagaatactg acaatatact 180
gtacaataag ccttaccagt tagtgctgtg gaccatttat accaaaagga aaatgcacat 240
ctgtacagtc acctttacca g 261

<210> 1330
<211> 179
<212> DNA
<213> Homo sapiens

<400> 1330
caggtccacc ccggagatga cacgaggctc acatgactct agacacttgg tggaaagtga 60
ggcgagaaaa acaatgactt gggccaatta cacgactgca aagctagagc tgccaacagg 120
gctccaggga gcttggcttc tgtagaagtt ctaaggaagc ggtacgaact ccacggcgg 179

<210> 1331
<211> 322
<212> DNA
<213> Homo sapiens

<400> 1331
aaaaaaatta tgacaagctt caggtaaaaa taatttttaa agggtccatt tttcatttac 60
gtacaatcag tacatcttat ttacatatat gactggatct ttattctatt ttcttcatat 120
aagatatttt aactggtagg taactgccct attctgtttt tatagaaaga ctaaacaccc 180
tatttacagg cagttttgat gatgctagtt tgtctccaaa ttacgtactg aatatagtta 240
aaatcttaat gaataacata aaaattaaga tccggtatta acagactatt ttatgggtca 300
cactggatat tcaaggagtc ag 322

<210> 1332
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 586, 602, 620, 627, 731, 734

```
<223> n = A,T,C or G

<400> 1332
ggggctgggc ccctgctttt tgtactacca tcaacatcca cttgcgcatc tacagaaggc 60
tgggccttga gcatggggaa tgtggggagg gagcaggaca caccagcact gcaaatggct 120
tccttctccc agggcccaaa gggatagaaa agaaggcaac atgaagttaa ggccctgtga 180
gcagtctaga aggtccttag cagcagcttc tctgaaaaca tgtgttctgc ctctggagaa 240
agggagcaga aaagtggtgc ctgctggctt ctcctcctcc cctggcagcc tgaagacagg 300
tgcaaagtca actagaagac aggcagcctc ggggacgtgg tcagcgtgca agcattgata 360
tcctcagtgt gggctgcccg atgcaaggat ggctcggaag cgctccggtt gatcttcggt 420
agagagtgtt ggagcagctc aatggaagac aggatctggg gaaaaagagg cctctcttcc 480
tttactttct tcacacagtc aagctaccag cctcttcatt gctttggggc agttcttata 540
tagcttacta agatctgggg aggcatatcc tcggcccacc atgaanatga tctgatctcg 600
gntgttgatg tgagaataan gaagctnccc cctcatcagt tcataccaat acgatgccat 660
aaggagtaga catccgactg gaaactgaaa tgggttggta tcctgcattt cggatcacct 720
ctggggccat ncanaaggac a                                          741

<210> 1333
<211> 235
<212> DNA
<213> Homo sapiens

<400> 1333
tttaaaaccc aaacttccaa aggtttaaac tacctcaaaa cactttccca tgagtgtgat 60
ccacattgtt aggtgctgac ctggacagag atgaactgag gtccttgttt tgttttgttc 120
ataatacaaa ggtgctaatt aatagtattt cagatacttg aagaatgttg atggtgctag 180
aagaatttga gaagaaatac tcctgtattg agttgtatcg tgtggtgtat ttttt    235

<210> 1334
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1334
ccacttgctg cctaaaccaa tcacagcttc agttttgttt tttgtcaagt gttggagtta 60
caagtaggca cctctctgtg cctggtattg ctcaggttca gacttggctg ggggtgaggg 120
ggccaggcag aaatcagtta agaaggccat tccaggtgta aatgcctccc ggctctacag 180
ggggtaatat ttactgtcgt cttttccctt cccaggttga ttactgacct gtttgttgtg 240
aagatgctgc tgcaataagc acaaacagaa ctcatgg                        277

<210> 1335
<211> 326
<212> DNA
<213> Homo sapiens

<400> 1335
ctgtgctccc gactcctcca tctcaggtac caccgactgc actgggcggg gccctctggg 60
gggaaaggct ccacggggca gggatacatc tcgaggccag tcatcctctg gaggtagccc 120
aatcaggtca aagattttgc ccaactggtc ggcttcagag tttccacaga agagaggctt 180
tcgacgaaac atctctgcaa agatacagcc aacactccac atgtccacag gtgttgcata 240
tgtggactgc agaagaactt cgggagctcg gtaccagagt gtaacaacca cgggtgtaag 300
tgccatctgg tagctgtaga ttctgg                                    326

<210> 1336
```

<211> 527
<212> DNA
<213> Homo sapiens

<400> 1336
ctggagaagt tactttt att cttgcagttt tatactagga agtcaacatt taataagcca 60
tcatccacaa ttgattaaaa atgtttaatc cttaaattgt gcatcaatat cctatgactc 120
caaattttat ttatcactct ccttcaagtc tgaagaaaat gattaatttg ctaagttcca 180
cagacagtac agtcccactg acataacatt tagtatgatg tcctactctc atattagaat 240
taaggacagc cagtatcaaa ctggcctgaa acctgattgt gttcctggtt cagaatacct 300
gtagtaaatc tgtaaatcca caccaagaca caacattaaa ctaggatgtg tatatcttat 360
aaaaaccttt tcacagtaaa aatcaacatt aaaattttac caaattccaa cattatggtt 420
tttgaatcca attaagcttt caaaatgcct gattagctgt gaattaatta taaataactt 480
catgtagttt gcccagcatt tcaaaatggt tatggactat catgttt 527

<210> 1337
<211> 625
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 385, 583, 610
<223> n = A,T,C or G

<400> 1337
gtggtagaga gctgccaggc tttgtgaatt acaggacatt tgagacaatc gtgaaacagc 60
aaatcaaggc actggaagag ccggctgtgg atatgctaca caccgtgacg gatatggtcc 120
ggcttgcttt cacagatgtt tcgataaaaa attttgaaga gtttttttaac ctccacagaa 180
ccgccaagtc caaaattgaa gacattagag cagaacaaga gagagaaggt gagaagctga 240
tccgcctcca cttccagatg gaacagattg tctactgcca ggaccaggta tacagggggtg 300
cattgcagaa ggtcagagag aaggagctgg aagaagaaa gaagaagaaa tcctgggatt 360
ttggggcttt ccaatccagc tcggnaacag actcttccat ggaggagatc tttcagcacc 420
tgatggccta tcaccaggag gccagcaagc gcatctccag ccacatccct ttgatcatcc 480
agttcttcat gctccagacg tcggccagcc agcttcagaa ggccatgctg cagctcctgc 540
aggacaagga cacctacaga cctgccccgg gcggccgctc gangggcgaa ttccacacac 600
tggcggccgn tactagttgg atcca 625

<210> 1338
<211> 285
<212> DNA
<213> Homo sapiens

<400> 1338
ccacaattca aattaaggca acaaacatat accttccatg aagcacacac agacttttga 60
aagcaaggac aatgactgct tgaattgagg ccttgaggaa tgaagctttg aaggaaaaga 120
atactttgtt tccagccccc ttcccacact cttcatgtgt taaccactgc cttcctggac 180
cttggagcca cggtgactgt attacatgtt gttatagaaa actgatttta gagttctgat 240
cgttcaagag aatgattaaa tatacatttc ctacacgaaa aaaaa 285

<210> 1339
<211> 335
<212> DNA
<213> Homo sapiens

```
<400> 1339
ccaggctggt ctcaaaactc ctgacctcag gtgatccacc caccctggcc tcccaaagtg 60
ctgggattac aggcgtgagc cagtgcaccc gaactgcatt tgatttatcc tgtgttcttt 120
attctttata ccattcacaa ttccccttgt atagccatga tgccatttat gcacttcagc 180
ctggggataa gccagggtta cttaaggaac caacttcaca aaatctaagc cataaagtaa 240
gcattcctaa taaaacaaat tgcaatgtac cattacctta tcactaccag gatcacttag 300
tctctggtgc tcaacacata agtggcaaac tttgg 335

<210> 1340
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1340
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtggtt 120
tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttggaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t 231

<210> 1341
<211> 231
<212> DNA
<213> Homo sapiens

<400> 1341
aaataagttt atgtatacat ctgaatgaaa agcaaagcta aatatgttta cagaccaaag 60
tgtgatttca cactgttttt aaatctagca ttattcattt tgcttcaatc aaaagtggtt 120
tcaatatttt ttttagttgg ttagaatact ttcttcatag tcacattctc tcaacctata 180
atttggaata ttgttgtggt cttttgtttt ttctcttagt atagcatttt t 231

<210> 1342
<211> 202
<212> DNA
<213> Homo sapiens

<400> 1342
cagatgcatt aggtcttgtt gagtatctta atgagtggct tcagatactc aaaccactta 60
gcgatgaccc cacagtatct gcctcacggt ggaaaatacc aagttcttgg agattactct 120
ttggcagtgg tcttccccct gcactttct gatctaattt ctgttttata ccttataccc 180
aaaacactta ctaccaacac ag 202

<210> 1343
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10
<223> n = A,T,C or G

<400> 1343
ccgccacatn tttattgcat actcaggtga ataacttatt atacaatgaa cactcctcca 60
```

```
ttaggagacc atgcccactt acagaatgca gccgtaaatg cggtaaatct atttacagag 120
gttggggtgc aagatgagag aagtatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgctagtgag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttggggacag tgcaagaaga 300
ggggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcgggggt gccagcaagt tggcttccag                                    450
```

<210> 1344
<211> 177
<212> DNA
<213> Homo sapiens

<400> 1344
```
ggggcgtccc catggcgact gtggcccggc ccctcctctc ttgcctgact ctcctctctt 60
gcctgactct agacactaac ttagttccag gttcggtgcc ctgttggtgc tcctgtttcc 120
aatagcttag gtcccatggt gggggaggaa cctcaggggc tatgcagccc ccgccag    177
```

<210> 1345
<211> 398
<212> DNA
<213> Homo sapiens

<400> 1345
```
cctcattcca ttggctgggc tccacctacc agttggtgga catccatgtg acagaaatgg 60
agtcatcagt ttatcaacca acaagcagct ccagcaccca gcacttctac ctgaatttca 120
ccatcaccaa cctaccatat tcccaggaca aagcccagcc aggcaccacc aattaccaga 180
ggaacaaaag gaatattgag gatgcgctca accaactctt ccgaaacagc agcatcaagg 240
gttatttttc tgactgtcaa gtttcaacat tcaggtctgt ccccaacagg caccacaccg 300
gggtggactc cctgtgtaac ttctcgccac tggctcggag agtagacaga gttgccatct 360
atgaggaatt tctgcggatg acccggaatg gtacccag                           398
```

<210> 1346
<211> 483
<212> DNA
<213> Homo sapiens

<400> 1346
```
ctggacctcc aggtgtaagc ggtggtggtt atgactttgg ttacgatgga gacttctaca 60
gggccgacca gcctcgctca gcaccttctc tcagacccaa ggactatgaa gttgatgcta 120
ctctgaagtc tctcaacaac cagattgaga cccttcttac tcctgaaggc tctagaaaga 180
acccagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc agtggttact 240
actggattga ccctaaccaa ggatgcacta tggatgctat caaagtatac tgtgatttct 300
ctactggcga aacctgtatc cgggcccaac ctgaaaacat cccagccaag aactggtata 360
ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct ggcagccagt 420
ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacccaactt gccttcatgc 480
gcc                                                                 483
```

<210> 1347
<211> 375
<212> DNA
<213> Homo sapiens

<400> 1347

ctgaggcagg aagctttgga gatgagccgt aaccgtattg ccgaaaacct gggggatgtc 60
cagataagtg acaagatcac catctcaaag aacttcaagg agaatgtgat tcgccctatc 120
ctgaaagctc acttccggag ggatgagttt ctgggacgga tcaatgagat cgtctacttc 180
ctcccccttct gccactcgga gctcatccaa ctcgtctggg accgcgaggt ggcagatgtg 240
aagagagcca agcaaaggca caacatcacg ctgctctggg cccgctcca tcaaacatga ggtagaacgc 360
ctggtcgacg gctacaatgt gcactatggc gcccgctcca tcaaacatga ggtagaacgc 375
cgtgtggtga accag

<210> 1348
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1348
ccaactagca ccgagaagtc atattgaact catttgcagt tgtcttggca attaagcgta 60
ttttttcatt ccagtccaag cacaaatgtg gatcactgaa cacagtactg gaagcgccat 120
ttgcaggtac agattgcagt catcattaaa tgagccagaa ggcagatact gtttttattt 180
tgtgtggggg gaggggggaag cggcacagta ctagcaggag atgaaataaa atgattagga 240
aacaatgagg ttataagatc actgttctta tttgggttaa gcaggtcatg ttgagaagat 300
ggttatttct ttcaga 316

<210> 1349
<211> 316
<212> DNA
<213> Homo sapiens

<400> 1349
ccagagctgc ggggcctcag tacacggagc tgttccggat gccacagcac agcaccatgc 60
tcaggatcat ctcgaagatc atgatcacag cgaccacgat ggcagcaatg ccgatgaggt 120
acagcttccc ggagaagagg tcatcgatct tctggtggca gtcctccttg aagaggttgc 180
tgatgatgtt gctgcccgag ggacacaaat tgttcttgag cactgaggtg gtcaaagcag 240
tcagtgtgct ggagccacag cagtcaagcg tctcgtggaa ggtcttcacc acagccttgg 300
cgttgttggc gtcatc 316

<210> 1350
<211> 225
<212> DNA
<213> Homo sapiens

<400> 1350
ctgagtggag ggtgggggaca ggtgcaaact ggagaggcct agagagctag agaagcaagt 60
aagggccagg gccagagtcg gcttcaatgg aacaacagcc cagtgcccta aggcccctaa 120
ctcttgctgg ctgtttcttg accccaagcc agggttggga gtcctctggg catccatttt 180
ttctaaagga actggacaga gtacacacag gaaaggaagc tgtca 225

<210> 1351
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 415, 441, 464, 515, 516, 526, 536, 556, 558, 566, 568, 581, 583

<223> n = A,T,C or G

<400> 1351
```
aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggcca ttcgtcttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcctagaga gagaaactgt 240
gctccttcag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccaggtt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgct tccanatgtg 420
gtcctcccgt gtggggccca ncaatggggg cccctgatgc caanagctct ggaggttctt 480
gaaagagggg acacgaagga aggagtgact ggganncctc cccatnccaa ggaggngggg 540
agggtggcct ggaaananct gcctcntncc acttttggcc ntnactggat t         591
```

<210> 1352
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 520, 546, 552, 569, 583, 586, 592, 596
<223> n = A,T,C or G

<400> 1352
```
aaaaagtgtg actgtcagtt gtatctgttg cttttctcaa tgattcaggg atacaaatgg 60
gcttctctca ttcattaaaa gaaaacgcga catctttcta agattctctg tgggaaaatg 120
actgtcaata aaatgcgggt ttctgggcca ttcgtcttac tttcattttt tgattacaaa 180
tttctcttga cgcacacaat tatgtctgct aatcctcttc ttcctagaga gagaaactgt 240
gctccttcag tgttgctgcc ataaaggggt ttggggaatc gattgtaaaa gtcccaggtt 300
ctaaattaac taaatgtgta cagaaatgaa cgtgtaagta atgtttctac aggtctttgc 360
aacaaactgt cactttcgtc tccagcagag ggagctgtag gaatagtgct tccagatgtg 420
gtctcccgtg tggggcccag caatggggggc ccctgatgcc aagagctctg gaggttcttg 480
aaagagggga cacgaaggag gagtgactgg gaagcctccn tgccaaggag gtgggaggtg 540
ccctgnaaat anctgcctca tccacttnang gccatgactg ganttnaaat gncagnggtg 600
tg                                                              602
```

<210> 1353
<211> 449
<212> DNA
<213> Homo sapiens

<400> 1353
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cttctttag taactagtat aacaagcact ggtattttg tacaaaaaag aaaaacaaaa 60
gattgactat tgtggtctgc atgacataaa caaacaaatg gtgatatcaa agcaacgtat 120
accccagtcc agtgtgtgtt gccataattt gcaattcagc ttaacagtgc acccaatcta 180
tatttgcatt ttgatattat ttaagctcta tgtacaaggt tttgcatgta tttatatggt 240
tcttaggggaa aaaaaatgct ataaactgca aatctgaaat tcaaatgtgt tgttccactg 300
agaccagaag aagaagagga gttttaaaag ggataatttg ttggaaccaa taaagctttt 360
tgctgatgaa cagaaaccaa tactgctgtg cactgagaat aaaaactcat gcccacttgt 420
aaaaaaaacc ccaaaaaaaa aaaaaaaa                                  449
```

<210> 1354
<211> 289

<212> DNA
<213> Homo sapiens

<400> 1354
caaccaatta tcagcaaact ctatggaagt gcaggccctc ccccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttgtta ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggctgttt actgcttttc 240
attagcagtt gctcacatgt ctttgggtgg gggggagaag aagaattgg 289

<210> 1355
<211> 173
<212> DNA
<213> Homo sapiens

<400> 1355
ctgagaactt cccctctcag gtgcaaaggg atggcagaga agtctttcca agagggctca 60
atccactaag agattatggc ttagagaagg gaacagctca aagaagccct tgaagagggt 120
gagggtctgg aggactcctg tggtgcaggc catctcccgg atagagtgca tgg 173

<210> 1356
<211> 449
<212> DNA
<213> Homo sapiens

<400> 1356
ccgggcaggt ccaagttaat gaggtcacgg ccagagcggt gggagaactc gactgcatag 60
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtggtgcc cgaggcagcc 120
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180
gctgctgcta gcttggagcg gaaggggttc caggctcggt actcaatttt gtcatctcct 240
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttggtg 300
accagtgcat cttcctttcc tcgacaaatg aagacaccct catgccgatg cggctccacc 360
atcacattct tccccgactg gtttcctctt tttcctcccc gaccacgacc ccggttgcca 420
ccagaatgga cctcggcccg cgaccacgc 449

<210> 1357
<211> 302
<212> DNA
<213> Homo sapiens

<400> 1357
aaatgcttct tttatttcat tggttgtaca ttgggtgagt gaactgaata ttacaaccaa 60
aacatagtat tgatacaaat tagactcctg tttacactgt aaggtaatga atgagggaat 120
tctttaagtg ttacagaaag atttagtaga aatgttacca gtggtatggc tgaaagaata 180
tttcggtgaa gtgctgttat atcctgaaaa ccaagagtga aatgtagttc ccatacaagt 240
ggagagttag tctcttaact acagtatttg ttgaactgat atcttcatgt cttggatatt 300
gg 302

<210> 1358
<211> 169
<212> DNA
<213> Homo sapiens

<400> 1358

ccagaatttc cacatgttca caaaggaaga acttgaagag gttatcaagg acatttaagg 60
aatcctgatc ctcagaactt ctctgggaca atttcagttc taataatgtc cttaaatttt 120
atttccagct cctgttcctt ggaaaatctc cattgtatgt gcatttttt 169

<210> 1359
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 451, 462, 527, 557, 564, 568, 599, 604, 610, 661, 671, 678, 683
<223> n = A,T,C or G

<400> 1359
acatatcctt ggaacagaag atcttattgt ggaagtgact tccaatgatg ctgtgagatt 60
ttatccctgg accattgata ataaatacta ttcagcagac atcaatctat gtgtggtgcc 120
aaacaaattt cttgttactg cagagattgc agaatctgtc caagcatttg tggtttactt 180
tgacagcaca caaaaatcgg gccttgatag tgtctcctca tggcttccac tggcaaaagc 240
atggttacct gaggtgatga tcttggtctg cgatagagtg tctgaagatg gtataaaccg 300
acaaaaagct caagaatggt gcatcaaaca tggctttgaa ttggtagaac ttagtccaga 360
ggagttgcct gaggaggatg atgacttccc agaatctaca ggagtaaagc gaattgtcca 420
agccctgaat gccaatgtgt ggtccaatgt ngtgatgaag antgatagga accaaggctt 480
tcaccagagc aaccccnttt gccngcanca gatagtcctg attgggncag cagatcctng 540
gggnggtgcn tctacacaac agatgcccac ggtggatagc attggggaac cccatgttac 600
natctgggat nttcaagnaa atnagcccgt cttcccacct gggaagga 660
708

<210> 1360
<211> 370
<212> DNA
<213> Homo sapiens

<400> 1360
aaagtttgct aaatcttagc acaaatgcag attcccagag ctcttctgat tttgaagttc 60
cctcaactcc agaagctgag ttacctaaac gagagcattt acaatattta tatgagaagc 120
tggcaactgg tgagagtata gcagtcaaaa aaagaaaatg ctcactctta gatacctaag 180
aattcaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tgacagtcaa 240
tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctggtt gggtgtggtg 300
gctcacactt gtaatcccag cactttgagg tgggcaatgg cttgagccca ggagttcgac 360
accagcctgg 370

<210> 1361
<211> 172
<212> DNA
<213> Homo sapiens

<400> 1361
ccagcctgtt gcaggctgct tcgtagcggg cgtcggctgc ggacttccct tcccgggtct 60
ggatctttc atcctcgaga caggacaaga tgaagttcac ggcttcttct ggggtaaaga 120
ccttgaagag cccatcacag gccaacaaaa tgaacctgtc attgggggtc ag 172

<210> 1362

<211> 172
<212> DNA
<213> Homo sapiens

<400> 1362
ccagcctgtt gcaggctgct tcgtagcggg cgtcggctgc ggacttccct tcccgggtct 60
ggatcttttc atcctcgaga caggacaaga tgaagttcac ggcttcttct ggggtaaaga 120
ccttgaagag cccatcacag gccaacaaaa tgaacctgtc attggggggtc ag        172

<210> 1363
<211> 162
<212> DNA
<213> Homo sapiens

<400> 1363
aaatttttca ttttattcaa agttggtaca gaattgctaa catttccata aaataattac 60
tatacttcag ttacaggaca aaataccaca gaaaggaatg tactttgcaa gaaatgtagt 120
tcatcttaag tttccaaata cttttgaagg ctaatgcagc ag                    162

<210> 1364
<211> 88
<212> DNA
<213> Homo sapiens

<400> 1364
ccaaagaaga atcatccttt ctactccttc tctttcgtct ggtcactcag aaatataata 60
ttatcagcta tgattgttgt tgcttgtc                                     88

<210> 1365
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 261
<223> n = A,T,C or G

<400> 1365
ctgatccaga aggagctcac cattggctcg aagctgcagg atgctgaaat tgcaaggctg 60
atggaagact tggaccggaa caaggaccag gaggtgaact tccaggagta tgtcaccttc 120
ctggggggcct tggctttgat ctacaatgaa gccctcaagg gctgaaaata aataggaag 180
atggagacac cctctggggg tcctctctga gtcaaatcca gtggtgggta attgtacaat 240
aaattttttt ggtcaaatgt naaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa          292

<210> 1366
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 597, 600, 620, 626, 639, 698, 704
<223> n = A,T,C or G

<400> 1366
aaatgtttat ggtttttatt tttcaatatt tattttggtt ttcttacaaa ggttgacatt 60
ttccataaca ggtgtaagag tgttgaaaaa aaaattcaaa ttttttgggg agcgggggaa 120
ggagttaatg aaactgtatt gcacaatgct ctgatcaatc cttctttttc tcttttgccc 180
acaatttaag caagtagatg tgcagaagaa atggaaggat tcagctttca gttaaaaaag 240
aagaagaaga aatggcaaag agaaagtttt ttcaaatttc tttctttttt aatttagatt 300
gagttcattt atttgaaaca gactgggcca atgtccacaa agaattcctg gtcagcacca 360
ccgatgtcca aaggtgcaat atcaaggaag ggcaggcgtg atggcttatt tgttttgtat 420
tcaatgattg tctttcccca ttcatttgtc tttttagagc agccatctac aagaacagtg 480
taagtgaacc tgctgttgcc ctcagcaaca agttcaacat cattagagcc ctgtagaatg 540
acagcctttt tcaggttgcc cagtctcctc atccatgtat gcaatgcttg ttctttncan 600
tggtaggtga atgttctgan gaggcntaat ttggaactng cccggggcgg cccgctccaa 660
aagggcggaa tttccagccc ccctgggcg ggccgttnct aatnggatcc c         711

<210> 1367
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 583, 616, 625, 631, 640, 649, 673
<223> n = A,T,C or G

<400> 1367
ccaggtttta gatattaacc tggctgcaga gccaaaagtg aaccgaggaa aagcaggtgt 60
gaaacgatct gcagcggaga tgtacggctc ctcttttgac ttggactatg actttcaacg 120
ggactattat gataggatgt acagttaccc agcacgtgta cctcctcctc ctcctattgc 180
tcgggctgta gtgccctcga aacgtcagcg tgtatcagga aacacttcac gaaggggcaa 240
aagtggcttc aattctaaga gtggacagcg gggatcttcc aagtctggaa agttgaaagg 300
agatgacctt caggccatta agaaggagct gacccagata aaacaaaaag tggattctct 360
cctggaaaac ctggaaaaaa ttgaaaagga acagagcaaa caagcagtag agatgaagaa 420
tgataagtca gaagaggagc agagcagcag ctccgtgaag aaagatgaga ctaatgtgaa 480
gatggagtct gaggggggtg cagatgactc tgctgaggag ggggacctac tggatgatga 540
tgataatgaa gatcgggggg atgaccagac ctgcccgggc ggncgctcca aagggcgaa 600
ttccagccca cttggncggc cgttncttgg nggaatcccn agcctcggna cccaaccttg 660
gggagtaatc atnggcctta gc                                         682

<210> 1368
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1368
ctgacccacg gcatcactga gctgggcccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgacg accaccagaa ctcctgatac ctccacaatg 120
cgcctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaagtt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctggtt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tcctgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag             468

<210> 1369
<211> 390
<212> DNA
<213> Homo sapiens

<400> 1369
aaatagaatt actttattaa tctttgaaat cagtaattcc aaagggtgcc tttaccctgg 60
ctcatgttgt caatggcaca ccgatttgtc tcctctctct aggaaacttg tgatgaatgc 120
tcctctttcc ccctagatcc tccgaaaagg gaggaacaac tttggcggat gatgatgttg 180
aaattttaag cttgtacaaa gaaaataaag cttcatactg taatctggaa aagaagagga 240
agcaaaatgc aaatagccaa agagcctctt ttatatcatc tctgtgcagc agcagtaaag 300
ggacagagaa gacctaagca gtttgggggc atggggcaaa gggaaggtaa aagatacaag 360
tgtgctctga cggggtatat aatgcatcag 390

<210> 1370
<211> 277
<212> DNA
<213> Homo sapiens

<400> 1370
cctggactga ctgatactac agtgcctcgc cgcctgggcc ccaaaagagc tagcagaatc 60
cgcaaacttt tcaatctctc taaagaagat gatgtccgcc agtatgttgt aagaaggccc 120
ttaaataaag aaggtaagaa acctaggacc aaagcacgcca agattcagcg tcttgttact 180
ccacgtgtcc tgcagcacaa acggcggcgt attgctctga agaagcagcg taccaagaaa 240
aataaagaag aggctgcaga atatgctaaa cttttgg 277

<210> 1371
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34, 327
<223> n = A,T,C or G

<400> 1371
aaaatgattt ttaacattat gagagactgc tcanattcta agttgttggc cttgtgtgtg 60
tgtttttttt taagttctca tcattattac atagactgtg atgtatcttt actggaaatg 120
agcccaagca cacatgcatg gcatttgttc cacaggaggg catccctggg gatgtggctg 180
gagcatgagc cagctctgtc ccaggatggt cccagcgggt gctgccaggg gcagtgaagt 240
gtttaggtga aggacaagta ggtaagagga cgccttcagg caccacagat aagcctgaaa 300
cagcctctcc aagggtttct accttancaa caatgggagc tgtgggagtg attttgg 357

<210> 1372
<211> 176
<212> DNA
<213> Homo sapiens

<400> 1372
cctatgacct tggccgcagg gctattgctt atgccactca cagagacagc tattctggag 60
gcgttgtcaa tatgtaccac atgaaggaag atggttgggt gaaagtagaa agtacagatg 120
tcagtgacct gctgcaccag taccgggaag ccaatcaata atggtggtgg tggcag 176

<210> 1373
<211> 164
<212> DNA
<213> Homo sapiens

<400> 1373
aaagtttagc atattctgca gcctcttctt tattttttctt ggtacgctgc ttcttcagag 60
caatacgccg ccgtttgtgc tgcaggacac gtggagtaac aagacgctga atcttgggtg 120
ctttggtcct aggtttctta ccttctttat ttaagggctt tctt 164

<210> 1374
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 586, 669, 683, 692, 694, 698, 704, 706, 715
<223> n = A,T,C or G

<400> 1374
ggcagcagaa ccactgacag agctagagga gcccattgag accgtggtca ccaccttctt 60
cacctttgca aggcaggagg gccggaagga tagcctcagc gtcaacgagt tcaaagagct 120
ggttacccag cagttgcccc atctgctcaa ggatgtgggc tctcttgatg agaagatgaa 180
gagcttggat gtgaatcagg actcggagct caagttcaat gagtactgga gattgattgg 240
ggagctggcc agggcagtgt ccacctgaac ttcctcctca tcggactgaa caacggggga 300
ctccccaccc tcactgatgt cccgggtggc cgagtcggtg caggtggagg aagaagaagg 360
tggcttggct cttaattctg agggatttgg aacctggagg gtaatctcat tctgacaggt 420
actggattca ggccctaagg cggggggacag cacagtgttc tcttctcctc cagagttcag 480
gaagacgtcc agggcctcct ggtccgatat gtccatcagg tccatctgct ccagcatgtc 540
cacgttcact tccatgatg acatgctgcc tatgggctct cgccgntctg caatctgcac 600
ctgcccgggc ggccgctcga aaggcgaaat tccagcacac tggcggccgt ttacttagtg 660
ggatcccanc ttcggtaccc aanctttggc cntnatcnat gggncnttag cttgntt 717

<210> 1375
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 226, 245
<223> n = A,T,C or G

<400> 1375
tggagaatca gctcagcagg ccttggccct cccccgtgga caccaggcag ctccactggc 60
ctccgggtca gccctcaggg ccaccgtgat ggggtggagg agggttaaat aaccatcttt 120
acagaaataa cagtctccta cagaaagtgc ctgagctcag cccatggtcc gataacctca 180
tggaaaacaa acaacaaata aaaaaaaaaa gtgctgctga cacctntcaa aatctggtgg 240
acatnaagct 250

<210> 1376
<211> 594
<212> DNA

<213> Homo sapiens

<400> 1376
agctcttgac ctataaagta taaaaagtaa ttacaatgaa atattcttca gtaaatctga 60
cactttggga ttccaggcaa aaggatcgct tgggtgccaa gagttcaaga ccagcctggt 120
caacatagtg agattctatc tcaatggatc actgtgtggc cgttcagcat cttcctatgc 180
tgtgtcaggc aagagaaatt ctggaaagag agcatctcat gtttattaag gagactgggt 240
gtccttgtag aaagtcctgc catgcacaac cccggtctta actgatgtgt ttcaccatac 300
tgaaggcaag ttgccatcta acatagttga aggcgagcca gttgtggtga tctttgttcc 360
tgcctagtcc aatgtgaata acaaaatgaa gaatatcagg atgattcgag accaggaata 420
ctacagatgt ccaacacttc cacctggaat ccccaaagag gctcgctttt agcctccaca 480
ctggttggtg acctgcctct gcagttcact ctgctgcttc agatgaaaat tttcaggtct 540
gtctgccact gtagtgaagc actgctttgg gtagtgtctg tggagaaact tttt 594

<210> 1377
<211> 104
<212> DNA
<213> Homo sapiens

<400> 1377
ctgtaactgt ctatgtacag aaaccggtct gggtgctttg gcttacaggt taccttgtgc 60
catacctttg aaacaaggga cctgtccagg cttccttctg gtgg 104

<210> 1378
<211> 378
<212> DNA
<213> Homo sapiens

<400> 1378
aaatccaggc ttaacatttt cgaggctgct gaataatgta gatccttttc agtggaacaa 60
ccttttccag agcaggtgtg ggtttttgat gcgccatgtg cactgttgct ggaaatttat 120
agttgagctt ctccagtgcg tcattcaggg catccggtgt ctgtattttg gcaacatttg 180
caatggcact tgttttctcg aatcctgttt ttttggtatg tctttccaag gtgccaattt 240
cttgtttttt ggaaattctc attcctccag cttttactgc aggaggatgt cccccttttcc 300
gaggggagag caggtcttgc acttcatttg ccatagcgtg tgccagtgcc agtgccagtg 360
ctggtgctct ggaggctg 378

<210> 1379
<211> 508
<212> DNA
<213> Homo sapiens

<400> 1379
ctgcgcctcc tgactcgagg acaggccgtt ggcaccctga accaggatgt ttccagggtg 60
aaggtctgca tggacaaagt tatccacaaa tatcatcttc aggagcatgt tgatccccag 120
ccgtgcaatc ttccttttca gtccacggg aattcctgcc tgctggtaac tggacacagg 180
cacactctct tcatacgttt ccaccaagac ttctctggtg acaaaggggc gcagaggggt 240
ggggaacttg acggctttca cattccggaa gttgacctgg aagtgttcta gattctgagc 300
ttcgtaacgc aggtcaatct gttggaccat cagcttctca aattcctcca caatctcagg 360
caagctaagc cacttgatgc ctggcaaaac tcccaggact cggctgccaa tcttcgtcag 420
cagcaggtcc atatgcacct gagcgagcag gccagggtgc aacactttca ctgccacgga 480
gatgaggttg gtggcctcag gttggtgg 508

<210> 1380

<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 220, 223, 252, 319, 370, 393, 409, 414, 425, 428, 429, 445
<223> n = A,T,C or G

<400> 1380
aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60
gttgtttgga tgcaggttct tctttgtctg tttcttctct tgctcttttc acaggtccag 120
ttgcaccatt ttcatcatgt tcatcatgtt catcatcact agcaaatttc gttttcttgc 180
cctgaaactg tacttttcct ttaccagacc caggctgggn agntttatta ccctttcctt 240
ttcctttaaa tntacgacct tttgacttcc atttgtttag ggattcttgt tggtcttcta 300
ttattttctt cagtgcttnt tttcccacct ctccttctag tacttcccaa gtcacacctg 360
cccgggcggn ccgctcgaaa gggcgaattc cancacactg gcgggcgtna ctantgggat 420
ccganctnng gaccaagctt tggcntaat 449

<210> 1381
<211> 355
<212> DNA
<213> Homo sapiens

<400> 1381
aaaatgaata aaaaattggt ttactaaact actggtctcc agcaccattt tctgttttct 60
gttgtttgga tgcaggttct tctttgtctg tttcttctct tgctcttttc acaggtccag 120
ttgcaccatt ttcatcatgt tcatcatgtt catcatcact agcaaatttc gttttcttgc 180
cctgaaactg tacttttcct ttaccagacc caggctgggc agctttatta ccctttcctt 240
ttcctttaaa tctacgacct tttgacttcc atttgtttag ggattcttgt tggtcttcta 300
ttattttctt cagtgcttct tttcccacct ctccttctag tacttcccaa gtcac 355

<210> 1382
<211> 358
<212> DNA
<213> Homo sapiens

<400> 1382
gcctgttgca ggcaaatgta aagtctagaa aataatgcaa atgtcatggc tactctatat 60
acttttgctt ggttcatttt ttttcccttt tagttaagca tgactttaga tgggaagcct 120
gtgtatcgtg gagaaacaag agaccaactt tttcattccc tgcccccaat ttcccagact 180
agattttaag ctaattttct ttttctgaag cctctaacaa atgatctagt tcagaaggaa 240
gcaaaatccc ttaatctatg tgcaccgttg ggaccaatgc cttaattaaa gaatttaaaa 300
aagttgtaat agagaatatt tttggcattc ctctaatgtt gtgttttttt ttttttttg 358

<210> 1383
<211> 460
<212> DNA
<213> Homo sapiens

<400> 1383
ctggacagta gattacaaag catctccgat cacgttaagg cagatgatca atctgtggct 60
gcatctgtaa ctcctcctgg gaaaataatc ctgttggagt tgggggctct tcccagttgt 120
ctggttagtt ggcccaggaa ggggcagtcc tgaagctggc gggtggggag ccaggcccca 180

```
cctgtcttgt cactgctcgt tctgctggcc ctctgtcact gatgctgata cggagccctg 240
gcccttgttg acatcactga tgcacaccca ctgcccatca actgactcct tccacagggt 300
caccttattg tctccaccag agacagccag gatgttggct gtgatggacc agctcacatg 360
ccacaccaca tcgttgaact tgtgcaacaa tttaggggac cacgtattgc ttgaggcatc 420
atcacaggtc caaatgaaca cacgaccatc ctgggagcag                       460
```

```
<210> 1384
<211> 259
<212> DNA
<213> Homo sapiens
```

```
<400> 1384
aaactcacat ccatattaca cctttccccc ctgaaatgta tagaatccat ttgtcatcag 60
gaatcaaaac ccacagtcca ttgtgaagtg tgctatattt agaacagtct taaaatgtac 120
agtgtatttt atagaattga agttaacatt cttattttca agagaattta tggacgttgt 180
agaaatgtac aaatgcattt ccaaactgcc ttaaacgttg tatttttata gacatgtttt 240
ttaaaaatcc taagttttt                                             259
```

```
<210> 1385
<211> 370
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 362
<223> n = A,T;C or G
```

```
<400> 1385
ccaggctggt gtcgaactcc tgggctcaag ccattgccca cctcaaagtg ctgggattac 60
aagtgtgagc caccacaccc aaccaggtta tttgaacatt tttaagtact gtattttctc 120
tattgtaata ttgactgcca tctctgtgca ggttttttag tggttgctct aggttgaaac 180
gctttgaatt cttaggtatc taagagtgag cattttcttt ttttgactgc tatactctca 240
ccagttgcca gcttctcata taaatattgt aaatgctctc gtttaggtaa ctcagcttct 300
ggagttgagg gaacttcaaa atcagaagag ctctgggaat ctgcatttgt gctaagattt 360
ancaaacttt                                                        370
```

```
<210> 1386
<211> 292
<212> DNA
<213> Homo sapiens
```

```
<400> 1386
ccaacagagt gaagccctgt ctctactgaa aatacaaaaa ttagccaggt gtggtggtgc 60
atgcctgtaa taccagctac ttgggaggct aaggcatgag aattgcttga acccaggagg 120
tggaggctgc agtgagccga gatcacgaca ctgcactcca ggtcctagaa tgccacaaaa 180
gcccccttgga accttgtcct atgggcggtg gctaactcct gaaggtttct gagcaagggg 240
gtaacaggac aggcgggcat gtcataaacg tcacctggga cgtgagtggt gg          292
```

```
<210> 1387
<211> 181
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 45, 113
<223> n = A,T,C or G

<400> 1387
gttttatttt ggaccaaaaa aaaaagcaat tgaattgttt tgtanctgga ggcatgggca 60
aggggggtcc ccaggtagta aactccccag gtgggctgag ggctagggct gancctcagg 120
tgggtctcct gttcccagtg ctaccctgca tagcggcctc cttcccaggc cctggggcag 180
c                                                                    181

<210> 1388
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 487, 489, 496, 507, 523, 541, 548
<223> n = A,T,C or G

<400> 1388
aaagataagg aaagaggctc atagagttta tatcatttgc cccaggtcac atagttgaag 60
cggcagagag attagaatgc aactccactc taaagtcctc ctgctttcct ccaacatcag 120
gcgttcccca ttgtaccaca cccttacatg gaaaacaact cttggcggat ttatggctct 180
caggaggagt tgatctagcc catccaatgt atgccttttt tggagcttgg gagtagagaa 240
atctggacca catttccaag agggcaagtc tgatttgtct atttcttctt tgtttcagaa 300
gaaagacctc aacaggtggc gaaagaagca tagaaggatt gaatgctgcc tacccgactg 360
gtgggctatt aatagttccc ctaagcatgt tctttaatag aaaacggaga aaaatgttga 420
taaacaaaaa tgtgcaaacc caatgtgcat gttaatcaat gattccaatt taatccccta 480
aattctnana cttggncgga cccctanggc aattcaccct ggngcgtcta tgatcactcg 540
ncacttgnga aatggctact                                               560

<210> 1389
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 399, 453, 472, 482
<223> n = A,T,C or G

<400> 1389
ctggctttgc agtcatgcat aaaggtgagg acacttaatt caaggcatct gggggctggt 60
gtcaccgcac atgaagagta gtgcccatgc tgtcccacga gcttccttgg gaaaagggaa 120
aaacaaatct tttcctcaaa tagaattgtc gcaggaaaga gccatgacat ttcattcact 180
gtttaatcat cgggtggcag gatttctttg aagtagaatc tggtagtacc cctcccaatc 240
tttgctggat cacttctaaa tggtgaatat actctgtcaa ggaatgttct ggatcttgag 300
aagcagtcag ggatctttct aatcttgaat ttggggatgg agtggctctt cccccactgt 360
gtggggaggc tgctgctgcc agtctgcggc ctctggcang tccctggtg tggacctccc 420
ggcggccctc aaaggcgaat tcaccactgc ggncgtctat ggatccactc gnccacttgc 480
gnatatgcta ctgtt                                                    495

<210> 1390
<211> 385
<212> DNA
<213> Homo sapiens

<400> 1390
aaaggacaag aatccttcaa gaaacaggaa aaaactccta aaacaccaaa aggacctagt 60
tctgtagaag acattaaagc aaaaatgcaa gcaagtatag aaaaagcgca ttgaacagtc 120
ctgggcacta catgtaaatt aagcccaaag atggggagaa aggaaaagga gagacaaata 180
tagtccatac tgagtgtcat caacaatcca gactgaagtc ttctatttta atctcaatcc 240
ccttttctga tttgccaccc atgcctcttc aggctggaaa caatctcttg gttccctaaa 300
gcactttctt ctgactgctg tgattcagtg aaccttgccc tttgctttct attacttgtg 360
catttgcctc acctgacaat gtttt 385

<210> 1391
<211> 313
<212> DNA
<213> Homo sapiens

<400> 1391
aaacttccct ctgtggaaga tattcaaaag ccacaagtgg tgcaaatgtt tatggttttt 60
attttttcaat ttttattttg gttttcttac aaaggttgac attttccata acaggtgtaa 120
gagtgttgaa aaaaaaattc aaattttttgg gggagcgggg gaaggagtta atgaaactgt 180
attgcacaat gctctgatca atccttcttt ttctcttttg cccacaattt aggcaagtag 240
atgtgcagaa gaaatggaag gattcagctt tcagttaaaa aagaagaaga agaaatggca 300
aagagaaagt ttt 313

<210> 1392
<211> 155
<212> DNA
<213> Homo sapiens

<400> 1392
ccaattgaaa caaacagttc tgagaccgtt cttccaccac tgattaagag tggggtggca 60
ggtattaggg ataatattca tttagccttc tgagctttct gggcagactt ggtgaccttg 120
ccagctccag cagccttctt gtccactgct ttgat 155

<210> 1393
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 483, 488, 492, 504, 519, 524, 534, 535, 540, 554, 557
<223> n = A,T,C or G

<400> 1393
aaacatgata gtccataacc attttgaaat gctgggcaaa ctacatgaag ttatttataa 60
ttaattcaca gctaatcagg cattttgaaa gcttaattgg attcaaaaac cataatgttg 120
gaatttggta aaattttaat gttgattttt actgtgaaaa ggtttttata agatatacac 180
accctagttt aatgttgtgt cttggtgtgg atttacagat ttactacagg tattctgaac 240
caggaacaca atcaggtttc aggccagttt gatactggct gtccttaatt ctaatatgag 300
agtaggacat catactaaat gttatgtcag tgggactgta ctgtctgtgg aacttagcaa 360

```
attaatcatt ttcttcagac ttgaaggaga gtgataaata aaatttggag tcataggata 420
ttgatgcaca atttaaggat taaacatttt taatcaattg tggatgatgg cttattaaat 480
gtnacttnct antttaaact gcanaataaa agtaacttnt ccanactcgg ccgnnacacn 540
ctaaggggaa tccnccnctg gcggccgt                                     568
```

<210> 1394
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 404
<223> n = A,T,C or G

<400> 1394
```
cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca 60
gggttcctgg aacttctacc agtgccactc tgacaggcct caccagaggt gccacctaca 120
acatcatagt ggaggcactg aaagaccagc agaggcataa ggttcgggaa gaggttgtta 180
ccgtgggcaa ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc 240
cctacacagt ttcccattat gccgttggag atgagtggga acgaatgtct gaatcaggct 300
ttaaactgtt gtgccagtgc ttaggctttg gaagtggtca tttcagatgt gattcatcta 360
gatggtgcca tgacaatggt gtgaactaca agattggaga gaantgggac cgtcagggag 420
aaaatgg                                                           427
```

<210> 1395
<211> 644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 546, 552, 574, 586, 588, 593, 601, 615, 618, 621, 626, 631,
633, 636
<223> n = A,T,C or G

<400> 1395
```
aaagaatctt ttagacatct ggaagccttt ctattcattc ctcagtacag tgttccagcc 60
atcctgcttg ttttttccct ccaatacctc ccagaacaga aacacttgca tcgagtctgt 120
tcctaagaac tagttttgaa aaagaagcga tgtacaaaaa tatttaacag aactatgaaa 180
gatgcaggaa aggagtcttt cttcgtagca aagtagtcgt tgctttgcat ggtttctttt 240
gtatactctt cagggtttgt ttatctgccc catgaataac acagcacctg taggattatg 300
tcggatgaaa aacagaaaag gtctgtctac tataaaccag ggaggcgatg atcttgcaat 360
gagaattgca gttgttgctg ctgaagcttt ggttccatct tcactgactt caattttttgc 420
tttttgcaag atatgagaaa catggaggtt ttctgacctt gttattttgc aaaatttgcc 480
tttgatgaat caaacatgtc aagtaatgcc aaaactttca gcgggttcct tcaaatctgt 540
ttgtgnttca anacctgccc gggcggccgt tcanggggaa ttccancncc ctngcgggcg 600
ntctagtgga tccanctngg nccaancttg ngnaanatgg ctac                   644
```

<210> 1396
<211> 206
<212> DNA
<213> Homo sapiens

```
<400> 1396
caggtggggg aggggcgtca tttcactagg ggccgagttt tatcatcgtc accgcactgg 60
tgagctttgt acttttcac ttctgccatg tacttggccc acgcgtcacc tttacttgtt 120
aatacctcat cctccgtctt ctgcttcttg gctactattc ccgtcttgag ggctagtttg 180
ttcccgcctc tgcgtttgcc cacgaa                                       206


<210> 1397
<211> 313
<212> DNA
<213> Homo sapiens


<400> 1397
ctgccaacac caagattggc ccccgccgca tccacacagt ccgtgtgcgg ggaggtaaca 60
agaaataccg tgccctgagg ttggacgtgg ggaatttctc ctgggctca gagtgttgta 120
ctcgtaaaac aaggatcatc gatgttgtct acaatgcatc taataacgag ctggttcgta 180
ccaagaccct ggtgaagaat tgcatcgtgc tcatcgacag cacaccgtac cgacagtggt 240
acgagtccca ttatgcgctg cccctgggcc gcaagaaggg agccaagctg actcctgagg 300
aagaagagat ttt                                                     313


<210> 1398
<211> 151
<212> DNA
<213> Homo sapiens


<400> 1398
ctgggagcat cggcaagcta cagccttaaa atctgagctc ctcaagtgca caatttctgt 60
ccctttttaag ggctcacaac actaaagatt tcacatgaaa gggtcgtgat tgattgagca 120
atctagggga tatgtgacag gggtttcatg c                                 151


<210> 1399
<211> 654
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 17, 406, 420, 431, 441, 476, 488, 515, 517, 522, 538, 542,
549, 552, 557, 561, 564, 575, 594, 601, 604, 620, 623, 626,
642, 645, 651, 652
<223> n = A,T,C or G


<400> 1399
aaagagctta tcctcanaaa taagcttcgt cttgagttgt tgaactacaa aacactattt 60
tctgcagtca tccgaagaat tgtgccatta cttgtgatgc ctctgaatgt ggaggctgac 120
tctcccgtct ctctgtccct cctaccccac ggggccgcag caaaagccat cctgggcctt 180
cgactgggcc atgtcttcag gaagattcct gaagaggagg gcccgaaata cctgcctta 240
taggttccca gagtgcccta gaacattctt agatacatat tttttaaaca agtaggactc 300
caccttattt tctccaatag tccccaagca gtacaggtca cttgaagaca taaacattct 360
tcttggttga gggatccacg cccttgtttc agaaatgaca ccacanaagg ctgtgaactn 420
caggagcatc nttgggatgt nccggatgaa ccggggttta aaggttttct atttcnataa 480
acctgtcnca cttgtccggg aatggggggg aaacntnttc ntaataggc accaaccnct 540
antacaaanc antggtngcc nttnaccaca ttggngaact tcccggccct aagntgggct 600
ngcncaactt taattttatn gancanaaaa ataaacgttt tntcnttgga nnga         654
```

<210> 1400
<211> 342
<212> DNA
<213> Homo sapiens

<400> 1400
ctgctgatac ccaggcagta gctgatgctg tcacctacca gctcggtttc cacagcattg 60
aactgaatga gcctccactg gtccacacag cagccagcct ctttaaggag atgtgttacc 120
gataccggga agacctgatg gcgggaatca tcatcgcagg ctgggaccct caagaaggag 180
ggcaggtgta cccagtgcct atggggggta tgatggtaag gcagtccttt gccattggag 240
gctccgggag ctcctacatc tatggctatg ttgatgctac ctaccgggaa ggcatgacca 300
aggaagagtg tctgcaattc actgccaatg ctctcgcttt gg 342

<210> 1401
<211> 121
<212> DNA
<213> Homo sapiens

<400> 1401
ctgaggccaa ggagtgaaaa acctattact actaagagaa ggggtgcaga gtgtttacct 60
ggtgctctca acaggactta acatcaacag gacgtaaaaa aaaaaaaaaa aaaaaaaaaa 120
a 121

<210> 1402
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 371
<223> n = A,T,C or G

<400> 1402
aaaaataaga aaatacataa gaccataaca gccaacaggt ggcaggacca ggactatagc 60
ccaggtcctc tgatacccag agcattacgt gagccaggta atgagggact ggaaccaggg 120
agaccgagcg ctttctggaa aagaggagtt tcgaggtaga gtttgaagga ggtgagggat 180
gtgaattgcc tgcagagaga agcctgtttt gttggaaggt ttggtgtgtg gagatgcaga 240
ggtaaaagtg tgagcagtga gttacagcga gaggcagaga aagaagagac aggagggcaa 300
gggccatgct gaagggacct tgaagggtaa agaagtttga tattaaagga gttaagagta 360
gcaagttcta nagaagaggc tggtgctgtg g 391

<210> 1403
<211> 523
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 358, 382, 429, 457, 458, 463, 473, 482, 489, 498, 499, 506,
514
<223> n = A,T,C or G

<400> 1403

```
agcatggtca ccgccatggg ttagagccct gctcgatgct cacagggccc ccagcgagag 60
tccctgcagt ccctttcgac ttgcattttt gcaggagcag tatcatgaag cctaaacgcg 120
atggatatat gttttgaag gcagaaagca aaattatgtt tgccactttg caaaggagct 180
cactgtggtg tctgtgttcc aaccactgaa tctggacccc atctgtgaat aagccattct 240
gactcatatc ccctatttaa cagggtctct agtgctgtga aaaaaaaaa atgctgaaca 300
ttgcatataa cttatattgt aagaaatact gtacaatgac tttattgcat ctgggtanct 360
gtaaggcatg aaggatgcca anaatttaag gaatatggga aaaatagtgt ggaaattaaa 420
aaaaacttng gctgattttc aaatggacaa actgccnntt ttntttcctt ttnctggacc 480
tncccggggng ggccgttnna aggggnaaat tccncccact tgg 523
```

<210> 1404
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 344, 446, 458
<223> n = A,T,C or G

<400> 1404
```
ctccaggcgc cctcggccgc ccatcatggt taattctgtc caacaaacac acacgggtag 60
attgctggcc tgttgtaggt ggtagggaca cagatgaccg acctggtcac tcctcctgcc 120
aacattcagt ctggtatgtg gggcgtgcgt gaagcaagaa ctcctggagc tacagggaca 180
gggagccatc attcctgcct gggaatcctg gaagacttcc tgcaggagtc agcgttcaat 240
cttgaccttg aagatgggaa ggatgttctt tttacgtacc aattcttttg tcttttgata 300
ttaaaaagaa gtacatgttc attgtagaga atttggaaac tgtngaagag aatcaagaag 360
aaaaataaaa atcagacctc ggccgcgacc acgctaaggg cgaattccac acacttgcgg 420
gccgttctat ggatcccaac ttcggnccca accttggngt aatcattggc ata 473
```

<210> 1405
<211> 267
<212> DNA
<213> Homo sapiens

<400> 1405
```
ccctaactta gatggttttt gaagcctata caattggtat tgttcgaccc ttaagctttt 60
acatctctta gcatggagga cgaagaaagc tgtacattgt tgcttgagag tctgtacatt 120
tagtccagat ttgtatttgc actgtcagta tggcaaatga gtgaaaaatg tttaatacac 180
tattggattt tttatttcct ttttttgatt cagcttatac ccgggctgaa aacctcaatt 240
tatgttcatg acagtgggga tttttttt 267
```

<210> 1406
<211> 298
<212> DNA
<213> Homo sapiens

<400> 1406
```
tgaaaacctt gaaaactatt acctggaggt caatcaactt gagaagtttg acataaagag 60
cttctgcaag atcctggggc cattatccta ctccaagatc aagcatttgc gtttggatgg 120
caatcgcatc tcagaaacca gtcttccacc ggatatgtat gaatgtctac gtgttgctaa 180
cgaagtcact cttaattaat atctgtatcc tggaacaata ttttatggtt atgtttttct 240
gtgtgtcagt tttcatagta tccatatttt attactgttt attacttcca tgaatttt 298
```

```
<210> 1407
<211> 329
<212> DNA
<213> Homo sapiens

<400> 1407
gaggcaaatt ggtttacacc ttcatgtaat tcttttactt taggggttgt aaagctactt 60
tattagatat agaatggcag attctctgat ttaaaagggc tgagtttgta ttattactga 120
tatgaagaat agagtaccaa tgtcattaat tgattttct tgttaatcag aattcctatt 180
ctgtaccttt cctctaactt ctcagatttg taattcttct tttgggagct gagctagtgc 240
ttttaggaga acagataaat gtggtctcag ccagccctag agactgcttc ttgtgtttgt 300
gtcattctgt cctgagaaat gaagtcatc                                   329

<210> 1408
<211> 123
<212> DNA
<213> Homo sapiens

<400> 1408
tcccaacccct ggcttggggt caagaaacag ccagcaagag ttaggggcct tagggcactg 60
ggctgttgtt ccattgaagc cgactctggc cctggcccctt acttgcttct ctagctctct 120
agg                                                               123

<210> 1409
<211> 674
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 527, 546, 573, 615, 621, 622, 633, 636, 638, 645, 654, 660,
667
<223> n = A,T,C or G

<400> 1409
cttgtgaaac cctggaaatc ttaagtctgt tgaaatacca ggttaaacac attccaagag 60
atctgttcaa actcaaattc ttttgtatac ttctgaggtg cctgagaaaa agacttcatt 120
atttatgaga aaatatgctt tatcttggaa attgtgttca aatgttagct tactattttg 180
tagaatgaat gtttatgaag ctgatatgag accatctcag aagaaccaag caggttcctt 240
gaccttttgc ttgctttct gaacattgtg aatattacac atgtctttct aaattattct 300
agggtatgca aatgtcaatg gtatgaaaca ccactgtctg gaagaattaa tatattactt 360
tagtatgtac ctgagctaaa tgactgaagc tttaggggtg catagaaacc accataattt 420
gtatgacatt ttgaagtgaa ttaaatattt ttgaacatgc ttcttcgaca gccagtgtta 480
tattttcag aatcacccca agcacaatgg attactcgaa atcagtnttt tcaaattaca 540
tatttnaagg catgccaact tgactttcct gtnaaaaata ctggctgcca aattattcct 600
tttttttaa acttggccg nnaaccccct tanggngnaa ttccncccc tggngggccn 660
ttcttanggg atcc                                                   674

<210> 1410
<211> 570
<212> DNA
<213> Homo sapiens

<220>
```

```
<221> misc_feature
<222> 497, 510, 537, 543, 550, 566
<223> n = A,T,C or G

<400> 1410
ccagagcagg agggagacag aggggaggca ccacacactt tgaagcaacc agatgtgatg 60
aggactcaat atcaggagaa cagcactgag cgggtggtgc taaaccgttt gtgaggactc 120
tgccccataa tcccatcgcc tcccaccagg gggcttacat ttcaacatga gactcggtga 180
ggacacagat ccaaaccaca tcaatagtgc tttcatgctt ttgattatct tttgtaacta 240
tgttattgaa ctataattta cataccatac aattcaccaa cgtaaagtgt gtaattcaat 300
ggtcttaagc atattcagag ttgtgtggcc atcgctacag tcaattttag gacatttta 360
tcactgcaaa agaaagacct caatcttccc attcctccca tcccgaacaa ccactaatct 420
acttctctat atggagattt gcttattctg gacattttac ctgcccgggc cggccgctcg 480
aaagggcgaa attccancac acttggcggn ccgtactaat gggatcccaa cttcgtnccc 540
aanctttggn gtaatcattg ggcatnactt                            570


<210> 1411
<211> 226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 15, 37, 76, 210
<223> n = A,T,C or G

<400> 1411
aaaaaaaaaa agaanaagaa ggtttataca cactgtncac acatttacaa tggctttgga 60
ggatagcagt gctgcnaaaa gggcttcagg aggatccggc ctgggacagg attgaggtat 120
gttgcagcct ccagggcctg gggtctcctg catgaaaaat accctccccc atttgactgt 180
gaacttttg gcctggattc tggagaacan atttccagga ttgtca             226


<210> 1412
<211> 204
<212> DNA
<213> Homo sapiens

<400> 1412
ctggacgcgc ggcctctggt cagtcctgga agtgcttggt gagggcttcc agcagctcct 60
gcttcttcag accactcttc agcccgtaag cccggcaggc ctctttcagc atgggcacag 120
tgaacttgcc cagcgtaccc ttgctgatgt gggtcttcag ctcctcttct gaatactcca 180
ccttgggcct tttgcttcca gaac                                   204


<210> 1413
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 435, 466, 486, 512, 529, 536, 555, 573, 584, 589, 600, 606
<223> n = A,T,C or G


<400> 1413
```

```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggca ttcagggtct tatctagaaa 420
gacttgctcc accangcttg gggtccaaat tggaggagaa caatgncttg acaagtgacc 480
aacacngagt ccatcgtcaa gttggtgacc angcagaagc ggaatgggna tggagntgac 540
tgcctttttag aatgngggac cttgcctgga tgncctcaca gggngatgnc tttgaagatn 600
gggggntgaa tactgaggtc ca                                          622
```

<210> 1414
<211> 609
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 473, 514, 538, 546, 548, 553, 561, 569, 595, 604
<223> n = A,T,C or G

<400> 1414
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcagggtctt atctagaaag 420
acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agngaccaca 480
cggagtccat cgtcaattgg tgaccaggca gaancggaat gtgtcatgag ttgactgnct 540
ttgtanangg ggngaccttg nctggatgnc ctcacagggg atgacttgag gatgnggggc 600
tggntactg                                                         609
```

<210> 1415
<211> 390
<212> DNA
<213> Homo sapiens

<400> 1415
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg                                   390
```

<210> 1416
<211> 289
<212> DNA
<213> Homo sapiens

<400> 1416
caaccaatta tcagcaaact ctatggaagt gcaggccctc ccccaactgg tgaagaggat 60
acagcagaaa aagatgagtt gtagacactg atctgctagt gctgtaatat tgtaaatact 120
ggactcagga acttttgtta ggaaaaaatt gaaagaactt aagtctcgaa tgtaattgga 180
atcttcacct cagagtggag ttgaaactgc tatagcctaa gcggctgttt actgcttttc 240
attagcagtt gctcacatgt ctttgggtgg gggggagaag aagaattgg 289

<210> 1417
<211> 468
<212> DNA
<213> Homo sapiens

<400> 1417
ctgacccacg gcatcactga gctgggcccc tacaccctgg acaggcacag tctctatgtc 60
aatggtttca cccatcagag ctctatgacg accaccagaa ctcctgatac ctccacaatg 120
cgcctgacaa cctcgagaac tccagcctcc ctgtctggac ctacgaccgc cagccctctc 180
ctggtgctat tcacaattaa cttcaccatc actaacctgc ggtatgagga gaacatgcat 240
caccctggct ctagaaagtt taacaccacg gagagagtcc ttcagggtct gcttatgccc 300
ttgttcaaga acaccagtgt cagctctctg tactctggtt gcagactgac cttgctcagg 360
cctgagaagg atggggcagc caccagagtg gatgctgtct gcacccatcg tcctgacccc 420
aaaagccctg gactggacag agagcggctg tactggaagc tgagccag 468

<210> 1418
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 439, 447, 457, 460, 493, 497, 509, 515, 521, 531, 534, 546,
548, 555, 575, 581
<223> n = A,T,C or G

<400> 1418
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctcttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaacctt catgtgttga atgttcaaat 420
aatggtcatt acacttaana atctggnctg aattttntan cttcttataa aatacttgac 480
cgatattacc tcntccnttt aagtttctna atccntctgt ncctgaaggg ntanaatttt 540
tggttnangg ctttnggac aaattttttt ttgcnatggt nggtaaaatt t 591

<210> 1419
<211> 699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 663, 676, 689, 693
<223> n = A,T,C or G

```
<400> 1419
gcatttacgc attcctccag tcttaataat cacatgcgga cccacagcgc caaaaaacca 60
ttcacgtgta tggaatgtgg caaagctttt aagtttccca cgtgtgttaa ccttcacatg 120
cggatccaca ctggagaaaa accctacaaa tgtaaacagt gtgggaaatc cttcagttac 180
tccaattcgt ttcagttaca tgaacgaact cacactggag agaaacccta tgaatgtaag 240
gagtgcggga aagccttcag ttcttccagt tcctttcgaa atcatgaaag aaggcatgcg 300
gatgagagac tgtcagcata aggaatgtgg gaaaacctaa aggtgtccct gttctctctg 360
aagacatgaa aactcactgg ggagaaaccc tatgaatgta aaaatgtgga agcaactttg 420
tatctcaggt cttaatgaac acatatgaat tcacagtgga gaagaccctg catcagggaa 480
tgtggaaatg actttgctga attctcaagc cttaccaaac acatcagaaa tctcctggag 540
agaaactgta tgaatgtaga agaatcttgg gaataccttt ctgaatccca caaaccttaa 600
tgggtgtatg tgaacctcac attggagaga aaaccctgca ttttaccctg cccgggggcgg 660
gcnctccgaa aagggncgaa attcccagna ccncttggg                        699
```

```
<210> 1420
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 416, 429, 433, 434, 440, 446, 472, 490, 492, 493, 544, 568,
576, 582, 584, 593, 606, 608, 609, 626, 637, 638, 639
<223> n = A,T,C or G
```

```
<400> 1420
ccttattgaa gatgaatgga tcaccattga taaatttacc agattcactg atgttccttt 60
agctgcggga tttcagtggt acctttctca aactcaactt agtaaactaa aaccaggtga 120
ctggtctcag caagacatag gtactaattt ggttgaagca gataaccaag cagagtggac 180
cgatgttcag aagaagatta tcccatggaa cagtcgtgtt tccgacttag acctggagct 240
cctgtttcag gatcgtgctg ccagacttgg aaagtcaatt agtagactca tcgttgtggc 300
ctcgctcatc gacaaaccga ccaatttagg aggactgtgc aggacctgtg aggtatttgg 360
ggcttcagtg ctcgttgttg gcagccttca gtgtatcagc gacaaacagt ttcagnacct 420
cagtgtctnt gcnnaacagn ggcttnctct agtggaggta aaaccacctc anctaattga 480
ttatctgcan cnnaagaaaa cagaagggta taccctcctt tggaattgga acaaactgcc 540
aaangtttag acctaacccca atattgcntt cctganaaat tntntgctct tgncgggaaa 600
tgaacntnng ggaattgccg caatgngacc caccagnnng ggccct            646
```

```
<210> 1421
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 314, 317, 320, 333, 348, 353
<223> n = A,T,C or G
```

```
<400> 1421
ccacaaaaaa gcatgcaaag tcattgttac aacagggatc tacagaacta tttcaccacc 60
agatatgacc tagttttata tttctgggag gaaatgaatt catatctaga agtctggagt 120
gagcaaacaa gagcaagaaa caaaaagaag ccaaaagcag aaggctccaa tatgaacaag 180
ataaatctat cttcaaagac atattagaag ttgggaaaat aattcatgtg aactagacaa 240
```

```
agtgtgttaa gagtgataag taaaatgcac gtggagacaa gtgcatcccc agatctcagg 300
gacctccccc ctgnctntcn accttggggg aantgagaag acaaggantg ggncttgttc 360
cttg                                                              364
```

<210> 1422
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 574, 631, 650, 656
<223> n = A,T,C or G

<400> 1422
```
aaaggtccaa aagcctgcca acccctggga attctacatt gggacccagt tgatggaaag 60
actaaagcca tctatgcagc acatgtttat gaagttctat tctgcccact tattccagaa 120
tggcagtgta ttagtaggag agctctacag ctatggaaca ttattaaatg ccattaacct 180
ctataaaaat acccctgaaa aagtgatgcc tcaaggtctt gtcatctctt ttgctatgag 240
aatgctttac atgattgagc aagtgcatga ctgtgaaatc attcatggag acattaaacc 300
agacaatttc atacttggaa acggattttt ggaacaggat gatgaagatg atttatctgc 360
tggcttggca ctgattgacc tgggtcagag tatagatatg aaactttttc caaaaggaac 420
tatattcaca gcaaagtgtg aaacatctgg ttttcagtgt gttgagatgc tcagcaacaa 480
accatggaac taccagatcg attactttgg gggttgctgc aacagtatat tgcatgctct 540
ttggcactta catgaaagtg aaaaaatgaa gganggagaa tgtaagcctg aaggtctttt 600
ttagaaaggc ttcctcattt tgggatatgg nggaatgaat tttttcatgn tatggntgga 660
atatttct                                                          668
```

<210> 1423
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 95, 305, 338, 340, 437, 487, 496, 513, 520, 530, 552, 604
<223> n = A,T,C or G

<400> 1423
```
cctggcttct tcgggatgct ccagaacaaa ggactaacag actactgctt tgactataac 60
cctcccgatg aaaaccagat tgtgggacac caggncattc tgtacctctg tcatgggatg 120
ggccagaatc aagttttcg agtacacttc ccagaaagaa atacgctata acacccacca 180
gcctgagggc tgcattgctg tggaagcagg aatggatacc cttaccatgc atctctgcga 240
agaaactgcc ccagagaatc agaagttcat cttgcaggag gatggatctt tatttcacga 300
acagnccaag aaatgtgtcc aggctgcgag gaacgagncn agtgacagtt tcgttccact 360
cttacgagac tgcaccaact cggatcatca gaaatggttc ttcaaagagc gcatgttatg 420
aagcctcgtg tatcaangag cccatcgaag gagactgtgg agccaggatc tgcccaacaa 480
agacttncta acaagngacc agaaacccac canaaactan ggttgtattn cttttgaaga 540
agcaatcatt tngccttttg tgaaagtgtg gttggattta attaaaaaag gggaataaac 600
tttnggactt tttttggaaa acttttttac ct                               632
```

<210> 1424
<211> 318
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> 175, 237, 248, 249, 250, 275, 278, 311
<223> n = A,T,C or G

<400> 1424
aaaatgtacc caactgggac caaatacaaa catgagacac tagggtggct tgtccttgat 60
taggaattac cagcttaagg aactttatca tgggctgaga gatagataga tagcttagaa 120
caacattgca aaagtgggtg cttctacatg aggacttttt ttcccccaa gtagnacaat 180
aattaaatct tgtgtttctt tatattgtgc ttttttggg agaaagcaat tcatttnccg 240
atctaaannn tgccggatac aaaggtagtt caganacnta ataatggtcc ctccaagaac 300
aagggagcaa nccccta                                                 318

<210> 1425
<211> 269
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 119, 168, 190, 205, 206, 219, 227, 230, 244, 248, 253, 254
<223> n = A,T,C or G

<400> 1425
cctattctct tgttgaccag ggtcaagacc tgctctgtga tgcaggctac cttcatcctg 60
acttctgcgg ctggatcctt ggtgatggag aagtccagcc gaacatagat gataacggng 120
aagaacagga tgtagaaggc cgccaccacc agcaggggct cctgcagnat gagcaccttg 180
ttgaacgtgn agtggaccac aatgnnctga atgggctgnt ctaccanatn tttcttgtag 240
ggcnacantc acnggcggc caaatgtgg                                     269

<210> 1426
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 397, 408, 474
<223> n = A,T,C or G

<400> 1426
ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaaggtt ggcatggaag acactgcaat aaaaggtacg aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attcacttaa agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cttttaagtt ttctaantac gtctgtanca tgatggtata 420
gaatttcttg tttcagtgct ttgggacaaa tttatattat gtcaaattga tcanggtaaa 480
a                                                                 481

<210> 1427

<211> 589
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 362, 394, 408, 441, 446, 450, 510, 522, 530, 537, 545, 546,
567, 580, 582
<223> n = A,T,C or G

<400> 1427
ctgctgcttg tgctgccatg tccgcaccgg caccatcctg ctcggcgtct ggtatctgat 60
catcaatgct gtggtactgt tgattttatt gagtgccctg gctgatccgg atcagtataa 120
cttttcaagt tctgaactgg gaggtgactt tgagttcatg gatgatgcca acatgtgcat 180
tgccattgcg atttctcttc tcatgatcct gatatgtgct atggctactt acggagcgta 240
caagcaacgc gcagcctgga tcatcccatt cttctgttac cagatctttg actttgccct 300
gaacatgttg gttgcaatca ctgtgcttat ttatccaaac tccattcagg aatacatacc 360
gnaactggct tcctaatttt cctacaaaag aatnatgtca ttgtaagnga atcctacctt 420
ggttggggcc cctaattaat ncttcntggn taattaacat taatctttga ctttttaaagg 480
ggttaacttg gaataagcct tggggtttn ggaaactgct tncccgaaan ccattcnaat 540
ggggnnggga aacttccttt ggatggnccc tggggtttan tnttaaccc 589

<210> 1428
<211> 176
<212> DNA
<213> Homo sapiens

<400> 1428
tgggcattgt gggctacgtg gaaacccctc gaggcctccg gaccttcaag actgtctttg 60
ctgagcacat cagtgatgaa tgcaagaggc gtttctataa gaattggcat aaatctaaga 120
agaaggcctt taccaagtac tgcaagaaat ggcaggatga ggatggcaag aagcag 176

<210> 1429
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 353, 423, 451, 458, 463, 513, 523, 546, 551, 583, 591, 604,
617, 623
<223> n = A,T,C or G

<400> 1429
aaagtacatt atgagaacaa cagccctttc ctgaccatca ccagcatgac ccgagtcatt 60
gaagtctctc actggggtaa tattgctgtg gaagaaaatg tggacttaaa gcacacagga 120
gctgtgctta aggggccttt ctcacgctat gattaccaga gacagccaga tagtggaata 180
tcctccatcc gttctttaa gaccatcctt cctgctgctg cccaggatgt ttattaccgg 240
gatgagattg gcaatgtttc taccagccac ctccttattt ggatgactc tgtagagatg 300
gaaatccggc ctcgcttccc tctctttggc gggtggaaga cccattacat cgntggctac 360
aacctcccaa gctatgagta cctctataat ttgggtgacc acgtatgcac tgaaagatga 420
ggnttgtgga ccatgtgttt gatgaacaag ngatagantc tcntgactgt gaagatcatc 480
ctgcttgaag gagcccagaa cattgaaatt ganaatccct atnaaaacaa tcgtgcccca 540
gaaganctgg nctacaccta tctggacact tttggccgcc tgngaatggt ngctacaaga 600

```
aaantttgga gaacacncat tangacat                                        628
```

<210> 1430
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1430
```
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gcccctcagc 180
gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttcctt cagg         234
```

<210> 1431
<211> 449
<212> DNA
<213> Homo sapiens

<400> 1431
```
ccgggcaggt ccaagttaat gaggtcacgg ccagagcggt gggagaactc gactgcatag 60
actagaccat ccggaccaac gatgtcagag acatgggaga ccgtggtgcc cgaggcagcc 120
ccgaggtaga gaaccttagc ccccggtttg atgtggatct ggtccacacc acccaggatt 180
gctgctgcta gcttggagcg gaaggggttc caggctcggt actcaatttt gtcatctcct 240
tccgaaatcg agactctctt ctctccataa actgattccc cagggaccag gttcttggtg 300
accagtgcat cttcctttcc tcgacaaatg aagacaccct catgccgatg cggctccacc 360
atcacattct tccccgactg gtttcctctt tttcctcccc gaccacgacc ccggttgcca 420
ccagaatgga cctcggcccg cgaccacgc                                     449
```

<210> 1432
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 198, 269, 283, 312, 345
<223> n = A,T,C or G

<400> 1432
```
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccagg tcagtgtgga ggtggattcc gctccgggca ccgatctccc 120
aagatcctga gtgacatgcg aagccaatat gaggtcatgg ccgagcagaa ccggaaggat 180
ctgaagcctg gtcaccancc ggactgaaga attgaaccgg gaggtcgctt ggacctcggc 240
cgcgaccacg cttaagggcg aaattccanc acacttggcc ggnccgttct tagtgggatt 300
cccaacctcg gnaccaaagc tttggcgtaa atcattgggc attanctttt ttccctgtg  359
```

<210> 1433
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 526, 529

```
<223> n = A,T,C or G

<400> 1433
ctgcttccat tggtgggtca tttttgctgt caccagcaac gttgccacga cgaacatcct 60
tgacagacac attcttgaca ttgaagccca cattgtcccc aggaagagct tcactcaaag 120
cttcatggtg catttcgaca gattttactt ccgttgtaac gttgactgga gcaaaggtga 180
ccaccatacc gggtttgaga acaccagtct ccactcggcc aacaggaaca gtaccaatac 240
caccaatttt gtagacatcc tggagaggca ggcgcaaggg cttgtcagtt ggacgagttg 300
gtggtaggat gcagtccaga gcctcaagca gcgtggttcc actggcattg ccatccttac 360
gggtgacttt ccatcccttg aaccaaggca tgttagcact tggctccagc atgttgtcac 420
cattccaacc agaaattggc acaaatgcta ctgtgtcggg gttgtagcca attttcttaa 480
tgtaaagtgc tgacttcctt aacaatttcc tcatatctct tctggntgna gggggg      536
```

```
<210> 1434
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 640
<223> n = A,T,C or G

<400> 1434
aattgtcggt gttaacaaaa tggattccac tgagccaccc tacagccaga agagatatga 60
ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc ccgacacagt 120
agcatttgtg ccaatttctg gttggaatgg tgacaacatg ctggagccaa gtgctaacat 180
gccttggttc aagggatgga aagtcacccg taaggatggc aatgccagtg gaaccacgct 240
gcttgaggct ctggactgca tcctaccacc aactcgtcca actgacaagc ccttgcgcct 300
gcctctccag gatgtctaca aaattggtgg tattggtact gttcctgttg gccgagtgga 360
gactggtgtt ctcaaacccg gtatggtggt cacctttgct ccagtcaacg ttacaacgga 420
agtaaaatct gtcgaaatgc accatgaagc tttgagtgaa gctcttcctg gggacaatgt 480
gggcttcaat gtcaagaatg tgtctgtcaa ggatgttcgt cgtggcaacg ttgctggtga 540
cagcaaaaat gacccaccaa tggaagcaga cctgcccggg cggccgctcg aagggcgaat 600
tccagcacac tggcggcccg tactagtgga tccgagctcn                      640
```

```
<210> 1435
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 523, 600, 622, 633, 644, 702, 708, 710, 714, 723
<223> n = A,T,C or G

<400> 1435
cagtgaattg aatacgactc actatagggc gaattgggcc ctctagatgc atgctcgagc 60
ggcccgccag tgtgatggat atctgcagaa ttcgccctta gcgtggtcgc ggccgaggtt 120
tttttttgga gagaaagcag ccagaaaaat ccgactttta tttcttaaat actgtgaagg 180
aagagggggg aaacggtccc ctgatgagga agggccatag agcaaagagc taaggatcat 240
cagcaaaggc ccgctgggca ttggggaagc gctccagcaa gtactatgtg actatcattg 300
atgccccagg acacagagac tttatcaaaa acatgattac agggacatct caggctgact 360
gtgctgtcct gattgttgct gctggtgttg gtgaatttga agctggtatc tccaagaatg 420
```

```
ggcagacccg agagcatgcc cttctggctt acacactggg tgtgaaacaa ctaattgtcg 480
gtgttaacaa aatggattcc actgagcccc ctacagccag aanagatatg aggaaattgt 540
taaggaagtc agcacttaca ttaaaaaaat tggctacaac cccgacacag tagcatttgn 600
gccaatttct ggttggaatg gngacaacat gcntggaacc aaangctaac atgccttggt 660
tcaagggatg gaaagtcccc cgtaaggatg gcaatgccca gngaaccncn ctgnttgagg 720
gtntggactg g                                                   731
```

<210> 1436
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 34, 36, 46, 312, 377, 436, 452, 468, 479, 498, 506, 525, 528, 531, 536, 553, 562, 580, 588, 590, 602, 608, 613, 621, 622, 635
<223> n = A,T,C or G

<400> 1436
```
actatgtgac tatcattgat gccccangac acananactt tatcanaaac atgattacag 60
ggacatctca ggctgactgt gctgtcctga ttgttgctgc tggtgttggt gaatttgaag 120
ctggtatctc caagaatggg cagacccgag agcatgccct tctggcttac acactgggtg 180
tgaaacaact aattgtcggt gttaacaaaa tggattccac tgagccaccc tacagccaga 240
agagatatga ggaaattgtt aaggaagtca gcacttacat taagaaaatt ggctacaacc 300
ccgacacagt ancatttgtg ccaatttctg gttggaatgg tgacaacatg ctggaccaag 360
tgctaacatg ccttggntca agggatggaa agtcacccct aaagatggca atgccagtgg 420
aaccacgctg cttgancttc tggacttgca tnctaccacc aactcgtnca actgacaanc 480
ccttgcgcct tcctttnca ggatgnccta caaaaattgg tgggnttngg ncttgntcct 540
gttgggccca atngaaactg gnggttctca aaccccgggn ttgggggncn acttttgctt 600
cntcaacntt tcnaccggaa nntaaaatct ttccnaaa                       638
```

<210> 1437
<211> 228
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 18, 70, 75, 100, 105, 108, 110, 119, 125, 128, 135, 137, 162, 163, 171, 172, 180, 185, 191, 203, 211, 215, 218
<223> n = A,T,C or G

<400> 1437
```
ccaggggtgc taagcagntg gtggtgcagg aggcattgct gatgatcttg aggctgttgt 60
catacttctn atggntcaca cccatgacga acatgggggn attancanan gggcaaaana 120
ttatnacncc ttttncnttc cccctgcac aatgaatacc cnngtctctt nncatgcccn 180
ggtgnagaga ncccccctg tgncttatac ntacnttntc ttcttccc            228
```

<210> 1438
<211> 286
<212> DNA
<213> Homo sapiens

<400> 1438
cgcggcggca agatggcagt gcaaatatcc aagaagagga agtttgtcgc tgatggcatc 60
ttcaaagctg aactgaatga gtttcttact cgggagctgg ctgaagatgg ctactctgga 120
gttgaggtgc gagttacacc aaccaggaca gaaatcatta tcttagccac cagaacacag 180
aatgttcttg gtgagaaggg ccggcggatt cgggaactga ctgctgtagt tcagaagagg 240
tttggctttc cagagggcag tgtagagctt tatgctgaaa aggtgg     286

<210> 1439
<211> 274
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 1
<223> n = A,T,C or G

<400> 1439
ntggcagtgc aaatatccaa gaagaggaag tttgtcgctg atggcatctt caaagctgaa 60
ctgaatgagt tcttactcg ggagctggct gaagatggct actctggagt tgagatgcga 120
gttacaccaa ccaggacaga aatcattatc ttagccacca gaacacagaa tgttcttggt 180
gagaagggcc ggcggattcg ggaactgact gctgtagttc agaagaggtt ggctttcca 240
gagggcagtg tagagcttta tgctgaaaag gtgg     274

<210> 1440
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 114, 195, 244, 333, 341, 364, 382, 390, 432, 437, 441, 447
<223> n = A,T,C or G

<400> 1440
ccctggtccc cctggccctc ctggacctcc aggtgtaagc ggtggtggtt atgactttgg 60
ttacgatgga gacttctaca gggctgacca gcctcgctca gcaccttctc tcanacccaa 120
ggactatgaa gttgatgcta ctctgaagtc tctcaacaac cagattgaga cccttcttac 180
tcctgaaggc tctanaaaga acccagctcg cacatgccgt gacttgagac tcagccaccc 240
atantggagc agtggttact actggattga ccctaaccaa ggatgcacta tggatgctat 300
caaagtatac tgtgatttct ctctggcgaa acntgtatcc nggcccaacc tgaaaacatc 360
ccanccaaga actgggtatt angaagcttn caaggacaa gaaaacactt cctggcttag 420
gagaaaacta tnaatgnttg naatcanttt caatat     456

<210> 1441
<211> 282
<212> DNA
<213> Homo sapiens

<400> 1441
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtacacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtcaat ccagtactct ccactcttcc 240

```
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc gg                        282


<210> 1442
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 372
<223> n = A,T,C or G

<400> 1442
ccagcaggcg catgaaggca agttgggtag ccatttcctt ggaagtcact ccttctacat 60
tatattcaaa ctggctgcca gcattgatag tttctcctag ccagacgtgt ttcttgtcct 120
tggagctcct ataccagttc ttggctggga tgttttcagg ttgggcccgg atacaggttt 180
cgccagtaga gaaatcacgg tatactttga tagcatccat agtgcatcct tggttagggt 240
caatccagta gtaaccactg ctccactctg ggtggctgag tctcaagtca cggcatgtgc 300
gagctgggtt cttctagag ccttcaggag taagaagggt ctcaatctgg ttgttgagag 360
acttcagagt ancatcaac                                               379


<210> 1443
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 8, 15, 21
<223> n = A,T,C or G

<400> 1443
ggcggccngg caggnccatt nacagtatgg tatttctgaa tgacaatctt atccacggag 60
tcatggtcgt caaaggttac aaaggcaaag ccccttttct tgccactgcc tcggtcagtc 120
atgatttcaa tcacttcaat ttttccatac tgttcaaaat aatctcttag gtgatgttct 180
tcagtgtctt ctttaatgcc accaacaaat atctttttca cagttaagtg ggcacctggt 240
ctttgagaat cttctctgga cacagctctc tttggttcca caactcttcc atccaccttg 300
tgtggccttg cattcatagc tgcatccacc tcctccacag tggcatatgt gacaaaccca 360
aagcccctgg agcgcttggt gtttggatct ctcattacca cacagtccgt gagcgttccc 420
cattgctcaa aatggctcct caggctctca tcagttgttt caaagctcaa ccctccaatg 480
aagagcttcc tcag                                                    494


<210> 1444
<211> 271
<212> DNA
<213> Homo sapiens

<400> 1444
tggcagtgca aatatccaag aagaggaagt ttgtcgctga tggcatcttc aaagctgaac 60
tgaatgagtt tcttactcgg gagctggctg aagatggcta ctctggagtt gaggtgcgag 120
ttacaccaac caggacagaa atcattatct tagccaccag aacacagaat gttcttggtg 180
agaagggccg gcggattcgg gaactgactg ctgtagttca gaagaggttt ggctttccag 240
agggcagtgt agctttatgc tgaaaaggtg g                                 271
```

<210> 1445
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 424, 455, 480, 495, 496, 505, 506, 513, 523, 531
<223> n = A,T,C or G

<400> 1445
```
ctggtggtta acaagtggat cgtcatgttc agtagtttat acattatgtg agaagtaacg  60
ttctgattct ttttcttaca cagaattggc agaggggtc gatttgggag gaaaggtgtg  120
gctataaact ttgttactga agaagacaag aggattcttc gtgacattga gactttctac  180
aatactacag tggaggagat gcccatgaat gtggctgacc ttatttaatt cctgggatga  240
gagttttgga tgcagtgctc gctgttgctg aataggcgat cacaacgtgc attgtgcttc  300
tttctttggg aatatttgaa tcttgtctca atgctcataa cggatcagaa atacagattt  360
tgatagcaaa gcgacgttag tcgtgagctc ttgtgaggaa agtcattggc tttatcctct  420
ttanagttag actgttgggg tgggtataaa agatngggtt tgtaaaactt tctttcttan  480
aaatttattt cctanntctg tacanntggt tgnttagatg tcnctatcat ntc        533
```

<210> 1446
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 404
<223> n = A,T,C or G

<400> 1446
```
cttctgagta catcatttca tgtcatcctg ttggcactga tgaagaaccc ttacagttca  60
gggttcctgg aacttctacc agtgccactc tgacaggcct caccagaggt gccacctaca  120
acatcatagt ggaggcactg aaagaccagc agaggcataa ggttcgggaa gaggttgtta  180
ccgtgggcaa ctctgtcaac gaaggcttga accaacctac ggatgactcg tgctttgacc  240
cctacacagt ttcccattat gccgttggag atgagtggga acgaatgtct gaatcaggct  300
ttaaactgtt gtgccagtgc ttaggctttg gaagtggtca tttcagatgt gattcatcta  360
gatggtgcca tgacaatggt gtgaactaca agattggaga gaantgggac cgtcagggag  420
aaaatgg                                                           427
```

<210> 1447
<211> 275
<212> DNA
<213> Homo sapiens

<400> 1447
```
cacctgccgt gacctcaaga tgtgccactc tgactggaag agtggagagt actggattga  60
ccccaaccaa ggctgcaacc tggatgccat caaagtcttc tgcaacatgg agactggtga  120
gacctgcgtg taccccactc agcccagtgt ggcccagaag aactggtaca tcagcaagaa  180
ccccaaggac aagaggcatg tctggttcgg cgagagcatg accgatggat tccagttcga  240
gtatggcggc cagggctccg accctgccga tgtgg                            275
```

<210> 1448

<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 349, 405, 410, 460, 503, 512, 514, 554, 590, 596, 614
<223> n = A,T,C or G

<400> 1448
gccgaggtaa aatactgtca tttgctcaaa gctggctgcc aaatgtttgg tgatgaaggc 60
agaaatgaat ggctcaaaac ttgggagaag agcaaaacct gaaggggccc tccagaacaa 120
tgatgggctt tatgatcctg actgcgatga gagcgggctc tttaaggcca agcagtgcaa 180
cggcacctcc atgtgctggt gtgtgaacac tgctggggtc agaagaacag acaaggacac 240
tgaaataacc tgctctgagc gagtgagaac ctactggatc atcattgaac taaaacataa 300
agcaagagaa aaaccttatg atagtaaaag tttgcggact gcacttcana agggagatca 360
caccgcgtta tcaactggat ccaaaattta tcacgagtat tttgnatgan aataatgtta 420
tcactattga tctggttcaa aattcttctc aaaaactcan aatgatgtgg acatacttga 480
tgtggcttat atttttgaaa aanatgttaa angngaatcc ttgtttcatt ctaaaaaaaa 540
tgggccctaa agtnaaatgg gggaaccacc tgggattttg gatcctgggn caaacnttta 600
aatttattat tgcnggatg aaaaaaa 627

<210> 1449
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 130, 146, 157, 162, 222, 223, 272, 304, 308, 316, 317, 340,
342, 349, 378, 405, 409, 423, 433, 434, 438, 446, 449, 467,
470
<223> n = A,T,C or G

<400> 1449
caaaaggtga ctagacatac ttggaagttc aaagcagtag gatgtagctt gcagggaaaa 60
gaaaaccctt ttccatgttg ttaggcagaa gtatatcaaa tatatcccaa ttccacttga 120
taaagtcagn ttggatgacc tccttnaacc aatctanggc anaacactta gtaaaagcgg 180
gccctgggtg gggatgtgaa tccaggagaa gaggggcacc annatcccat gcagcgccaa 240
acacatccat tccaccctct aacacatacg angcatgtca ccccattgcc ctggacacaa 300
gatntacnat aacagnnagc taatgggcac tgctcccacn gnctggggnt ttctaatggg 360
ctttaaaatt caaggccntg gaaaaaaatc cttttacccc ccaancacna aacttggcct 420
ttngaccttt ccnncatnac aggatnttnt gggggaaaa ttctttnggn tccccatac 479

<210> 1450
<211> 291
<212> DNA
<213> Homo sapiens

<400> 1450
ccacatcggc agggtcggag ccctggccgc catactcgaa ctggaatcca tcggtcatgc 60
tctcgccgaa ccagacatgc ctcttgtcct tggggttctt gctgatgtac cagttcttct 120
gggccacact gggctgagtg gggtacacgc aggtctcacc agtctccatg ttgcagaaga 180
ctttgatggc atccaggttg cagccttggt tggggtcaat ccagtactct ccactcttcc 240

```
agtcagagtg gcacatcttg aggtcacggc aggtgcgggc ggggttcttg c                291
```

```
<210> 1451
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 19, 31, 360
<223> n = A,T,C or G

<400> 1451
cagaattccc cttcgagcng ccgccgggca ngtccagcaa gtcaagtggt aatcaaaact 60
ctgctagagc cagaacgaaa ctccctcata atcacgtctc gttccttttg gtccatatct 120
ccatgcatgg cggatacagt gaaatctcga gcatgcatct tctcggtgag ccagtccacc 180
ttcctccggg tgttgatgaa gatgactgcc tgggtgatgg tcagggtttc atacaagtca 240
catagtgtgt ccagcttcca ctcctctcgt tccacgttga tgtagaactg gcggataccc 300
tccaaggtca actcttcctt cttgacaaga atccgaatgg ggccctcatg aacttcttgn 360
cacctcaagc                                                             370
```

```
<210> 1452
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 465, 502, 539, 547, 548, 552, 569, 574, 589
<223> n = A,T,C or G

<400> 1452
ccagctctcc acgctgctcg gcatctgcaa tggcggcctc cagggaagcc ctctggcctt 60
tgaggccctc aatctcagcc tggagccggc tgatgttccg gttcatctca gagatctcag 120
tctttgtgcg ccgcaggtca tccccgtgct tcccagccag gctctgcagc tcctcatact 180
tgatctggta catgctctca gcctcagccc ggctgcggtt ggcaatatcc tcgtactgtg 240
ccttgacctc agcaatgatg ctgtccatgt ccaggagcg gctgttgtcc atggacagca 300
ccacagatgt gtccgagatc tgggactgca gctcccggat ctcctcttca tatagctgcc 360
tgaggaagtt gatctcgtcg gtcagccctt ccaggcgaga ctccagctct accttgtcat 420
gtaagcttca tccacatcct tcttgatgag gacaaattcg ttctncatct ctgtacctta 480
ttgatctcat cctcatactt gntcttaagt cctccaccac ccctgatgtt gcaactccnc 540
tcacttnnct tntctggcca aattcagtnc actnggcgga cacctaggna atcac      595
```

```
<210> 1453
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 422, 470, 495, 504, 515, 520, 521, 567, 568, 578, 613, 619,
622, 626, 633, 638, 640, 655, 659, 664, 671, 683, 685
<223> n = A,T,C or G
```

<400> 1453
```
ctgttgaaat gaagcacttt acagtctttg tggcagcaga atatacttgt ccatggttca 60
tatcaatgct aaaattccgg cagggaaaaa aatgatatgt taagcacccaₐaatcttcaca 120
tggaggggga gggggtgggg aaaagaagga aaaaaaggga aaaacaacca aataattta 180
agtaaatgac agattggaaa acagggttta taaaaattat tctcttgagt ttataaattg 240
ttaaactcaa tttatagcta tgttaaacta cgtaagaacc actatactga aagaccattt 300
aagagtatta gtttatcttt tagggaggaa aattaagaaa ggaaaagtaa ataagatctt 360
acctaaagaa gtttaactga agcttagaac tattttgctc tacacccctca gctttcgttg 420
gnatccttat aaactactgt attaaaggtt ttgtagaaac agcacagttn tttaagactg 480
gcttgaactt attangccgt caanagttct cttgnactan nacctgtgtc ccttgagagt 540
cctcgctggg gttatttcct ttccttnntt tgaaaaancc agcttttaaa aaatttaaaa 600
ggggtttctt ctngcagana tncccntaag tanccacntn ccttatcctg agaanggcna 660
cacncactta ntttaccgct ttntnttttc caaattac                        698
```

<210> 1454
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 342
<223> n = A,T,C or G

<400> 1454
```
ggatttcaaa atcaacaccg atgagattat gacttcactc aagtctgtta atggacaaat 60
agaaagcctc attagtcctg atggttctcg taaaaacccc gctagaaact gcagagacct 120
gaaattctgc catcctgaac tcaagagtgg agaatactgg gttgaccctta accaaggatg 180
caaattggat gctatcaagg tattctgtaa tatggaaact ggggaaacat gcataagtgc 240
caatcctttg aatgttccac ggaaacactg gtggacagat tctagtgctg agaagaaaca 300
cgtttggttt ggagagtcca tggatggtgg ttttcagttt anctacggca atcctgaact 360
tcctgaagat gtccttgatg tgcag                                     385
```

<210> 1455
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 9, 10, 494, 534
<223> n = A,T,C or G

<400> 1455
```
ctgaggaann tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaattgaa 360
gtgattgaaa tcatgactga ccgaagcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aatccattcc tgtgaatgga 480
cctgcccggc cggncaaggg cgaaattcaa cacactttgg cggcgttacc taanggatcc 540
caacttcggt                                                      550
```

<210> 1456
<211> 479
<212> DNA
<213> Homo sapiens

<400> 1456
ctgaggaagc tcttcattgg agggttgagc tttgaaacaa ctgatgagag cctgaggagc 60
cattttgagc aatggggaac gctcacggac tgtgtggtaa tgagagatcc aaacaccaag 120
cgctccaggg gctttgggtt tgtcacatat gccactgtgg aggaggtgga tgcagctatg 180
aatgcaaggc cacacaaggt ggatggaaga gttgtggaac caaagagagc tgtctccaga 240
gaagattctc aaagaccagg tgcccactta actgtgaaaa agatatttgt tggtggcatt 300
aaagaagaca ctgaagaaca tcacctaaga gattattttg aacagtatgg aaaaaattgaa 360
gtgattgaaa tcatgactga ccgaggcagt ggcaagaaaa ggggctttgc ctttgtaacc 420
tttgacgacc atgactccgt ggataagatt gtcattcaga aataccatac tgtgaatgg 479

<210> 1457
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 404, 407, 416, 451, 472, 481, 489, 492, 494, 502, 509, 535, 538, 540, 551, 560, 564
<223> n = A,T,C or G

<400> 1457
ccttggtcct agcacccact cgagaattgg ctcagcagat acagaaggtg gtcatggcac 60
taggagacta catgggcgcc tcctgtcacg cctgtatcgg gggcaccaac gtgcgtgctg 120
aggtgcagaa actgcagatg gaagctcccc acatcatcgt gggtacccct ggccgtgtgt 180
ttgatatgct taaccggaga tacctgtccc ccaaatacat caagatgttt gtactggatg 240
aagctgacga aatgttaagc cgtggattca aggaccagat ctatgacata ttccaaaagc 300
tcaacagcaa cacccaggta gttttgcttg tcagccacaa tgccttcttg atgtgcttga 360
ggtgaccaag aagttcatga gggaccccat tcgggattct tgtnaanaag gaaganttga 420
cccttggagg gtatccgccc agttctacat naacctggaa ccaagaagag tnggaagctg 480
nacacactna tngngacttg gnatgaaanc cctggaccat tgacccccagg aaggnaantn 540
ttgcattcaa naaccccggn aagnaaggt 569

<210> 1458
<211> 227
<212> DNA
<213> Homo sapiens

<400> 1458
atagtctgcg cagcgtatgc acacgaactg ccaaaatatg gtgtgaaggt tggcctgaca 60
aattatgctg cagcatattg tactggcctg ctgctggccc gcaggcttct caataggttt 120
ggcatggaca agatctatga aggccaagtg gaggtgactg gtgatgaata caatgtggaa 180
agcattgatg gtcagccagg tgccttcacc tgctatttgg atgcagg 227

<210> 1459
<211> 577
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 423, 431, 445, 465, 496, 499, 503, 516, 530, 537
<223> n = A,T,C or G

<400> 1459
atgacgggcc cggtgctgaa gggcagggaa caacttgatg gtgctacttt gaactgcttt 60
tcttttctcc tttttgcaca aagagtctca tgtctgatat ttagacatga tgagctttgt 120
gcaaaagggg agctggctac ttctcgctct gcttcatccc actattattt tggcacaaca 180
gggagctgtt gaaggaggat gttcccatct tggtcagtcc tatgcggata gagatgtctg 240
gaagccagaa ccatgccaaa tatgtgtctg tgactcagga tccgttctct gcgatgacat 300
aatatgtgac gatcaagaat tagactgccc caacccagaa attccatttg gaaaatgttg 360
tgcagtttgc ccacagcctt caactgcttc tactcgccct tctaatggtc aaaggacctc 420
gangccccaa ngggaaaatc caggnccttc tggtattcct ggganaaaag ggggaccctg 480
gtatttccag gacaancang ggnccctgg gttttnctgg gcccctggn aatttgngaa 540
taatgcccta ctgggccctc aaaactattt ttcccca 577

<210> 1460
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 335, 346, 379, 400, 403, 404, 415, 423, 429, 448, 455, 463
<223> n = A,T,C or G

<400> 1460
aaaggtattt gctcattggt ctggcttaga gacaggaaga catatgagca ataaaaaaaa 60
gattcttttg catttaccaa tttagtaaaa atttattaaa actgaataaa gtgctgttct 120
taagtgcttg aaagacgtaa accaaagtgc actttatctc atttatctta tggtggaaac 180
acaggaacaa attctctaag agactgtgtt tctttagttg agaagaaact tcattgagta 240
gctgtgatat gttcgatact aaggaaaaac taaacagatc acctttgaca tgcgttgtag 300
agtgggaata agagagggct ttttattttt tcgtncatac cgagtnttga ttgaagatga 360
ttcctaaaat gctaaatgna aatatatttg cttcccaaan ggnntttatt tctgnctttg 420
ggngatgcna ccaaaaaccc cgaaagtngg aatgnaagtg atnccttttc 470

<210> 1461
<211> 211
<212> DNA
<213> Homo sapiens

<400> 1461
aaacattgtc taagaaaata tgatctatga agacattaat acattaataa gatacttaag 60
agttcattat aagctacaac actttgcaaa taagtatcca gtttaattgt aacaaaccac 120
aatttgtgag caaatttaag aatataaaaa acattaatta gttaaataca attctctggg 180
aatatacatt atacctacag acctgcccgg g 211

<210> 1462
<211> 465
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 433, 450, 451, 452
<223> n = A,T,C or G

<400> 1462
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccacccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccagccaatg gaatgaggac ctcgcccgcg accacgctaa 420
gggcgaattc cancacactt gtggcgccgn nnctagtgga tccga 465


<210> 1463
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 494, 514, 526, 536, 545, 553, 555, 562, 591, 605, 623, 627,
628
<223> n = A,T,C or G

<400> 1463
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccacccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
gagttggttg agcgcatcct caatattcct tttgttcctc tggtaattgg tggtgcctgg 240
ctgggctttg tcctgggaat atggtaggtt ggtgatggtg aaattcaggt agaagtgctg 300
ggtgctggag ctgcttgttg gttgataaac tgatgactcc atttctgtca catggatgtc 360
caccaactgg taggtggagc ccaccaatgg aatgaggcat tcaggtgtctt atctagaaag 420
acttgctcca ccaggctggg gtccaaattg gaggagaaca atgccttgac agtgaccaac 480
accggagtcc atcntcaatt tggtgaccag gcanaaaccg gaatgnggca ttgtantttg 540
actgnctttg tanantgggg gngaacacct tcggccgcga accacccttà ngggggaaatt 600
tccanccct tggggggcgg ttnctanngg gatcc 635


<210> 1464
<211> 234
<212> DNA
<213> Homo sapiens

<400> 1464
ccagcgacct cccggttcaa ttcttcagtc cggctggtga accaggcttc agcatccttc 60
cggttctgct cggccatgac ctcatattgg cttcgcatgt cactcaggat cttggcgaga 120
tcggtgcccg gagcggaatc cacctccaca ctgacctggc ctcccacttg gcccctcagc 180
gtactgattt cctcctcatg gttcttcttc aggtaggcca gctcttcctt cagg 234


<210> 1465
<211> 518
<212> DNA
<213> Homo sapiens

```
<220>
<221> misc_feature
<222> 11, 18, 19, 27, 111, 207, 305, 318, 323, 327, 369, 416, 443,
449, 460, 464, 468, 478, 507, 509, 512
<223> n = A,T,C or G

<400> 1465
tgatttattc ngcctccnnt ttggggngaa ttggggccct ctagatgcat tgctcgagcg 60
gccgccagtg tgatggatat ctgcagaatt cgcccttagc gtggtcgcgg ncgaggtaaa 120
cttacgccgc ttatgtattt acacataaag ttactgtata tataaaaaat attttcaagg 180
actcatgggc ttgggaatat tcaaaanaca ttattgctac atttcaatat ttacaaaaaa 240
agccacaaaa taatttcaaa cattaagcca ctgcaaagaa acatctgatg taagaaaaaa 300
ttatnaaaat ataaactntc aanaatntcc aagacaaaac tctcaatgaa gtgccctga 360
agtacctana catctataac taacaccact tttcttacta tcattgaagt caatanaaac 420
acaaaggaat ttttcagaca aantatggna aacaacaatn tctngggnga caacacancc 480
ccaaaatctg taactttggg aacggtncna anaggtta                       518


<210> 1466
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 546, 633, 642, 654, 656, 664, 699, 704, 708, 719, 723, 729,
733
<223> n = A,T,C or G

<400> 1466
ttcaaagcct gtctgcgagc ctggctgtgg tgcacatgga acctgccatg aacccaacaa 60
atgccaatgt caagaaggtt ggcatggaag acactgcaat aaaaggtacg aagccagcct 120
catacatgcc ctgaggccag caggcgccca gctcaggcag cacacgcctt cacttaaaaa 180
ggccgaggag cggcgggatc cacctgaatc caattacatc tggtgaactc cgacatctga 240
aacgttttaa gttacaccaa gttcatagcc tttgttaacc tttcatgtgt tgaatgttca 300
aataatgttc attcacactta agaatactgg cctgaatttt attagcttca ttataaatca 360
ctgagctgat atttactctt cctttttaagt tttctaagta cgtctgtagc atgatggtat 420
agattttctt gtttcagtgc tttgggacag attttatatt atgtcaattg gatcagggta 480
aaattttcag tgtgtagttg gcagatattt tcaaaattac aatgcattta tggtgtctgg 540
gggcangggg aacatcagaa aggttaaatt ggggcaaaaa tggcgtaagt cacaaaaaat 600
tggaatggtg caagttaatt gttgaaagta cancaatttc anatttattg gcananattt 660
agangttggt tacattttta cttggccgga acacctaang gcgnaatnca cacactggng 720
gcngtatang ggn                                                  733


<210> 1467
<211> 271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 171, 237, 243, 248, 259
<223> n = A,T,C or G
```

<400> 1467
ccagtgcccc ccaggaggct ccaccctcaa ctcaacccaa gcaacaggga cagatgaaaa 60
acaaaatcca atcagggcga taaatagcgg ggggcaggac gtggtggtct ccaggctggc 120
ttcgtgcgtt cttgctttg tcactgcccc cctgttacat ggggggggggg nttaattggg 180
tttctgagcg cataaagcta aggaggggta aaaaaaaaca aaaaaaaaa aaagggnaaa 240
ttnccccnaa aaaaaaang ggggaaaaaa a 271


<210> 1468
<211> 391
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 97, 174, 352, 355, 356, 362, 383
<223> n = A,T,C or G


<400> 1468
ctgcccaagg gcgttcgtaa cgggaatgcc gaagcgtggg aaaaagggag cggtggcgga 60
agacggggat gagctcagga cagagccaga ggccaanaaa gagtaagacg gccgcaaaga 120
aaaatgacaa agaggcagca ggagagggcc cagccctgta tgaggacccc ccanatcaga 180
aaacctcacc cagtggcaaa cctgccacac tcaagatctg ctcttggaat gtggatgggc 240
ttcgagcctg gattaagaag aaaggattag attgggtaaa ggaagaagcc ccaaatatac 300
tgtgccttca agagaccaaa tgttcagaga acaaaactac cagaccttcg gncgnnacca 360
cncttaaggg gcgaattcca acncacttgg c 391


<210> 1469
<211> 538
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 1, 130, 352, 379, 402, 443, 477, 501, 510, 530
<223> n = A,T,C or G


<400> 1469
nccattgatt taggccactg gcttagagta ctccttcccc tgcatgacac tgattacaaa 60
tactttccta ttcatacttt ccaattatga gatggactgt gggtactggg agtgatcact 120
aacaccatan taatgtctaa tattcacagg cagatctgct tggggaagct agttatgtga 180
aaggcaaata gagtcataca gtagctcaaa aggcaaccat aattctcttt ggtgcaggtc 240
ttgggagcgt gatctagatt acactgcacc attcccaagt taatcccctg aaaacttact 300
ctcaactgga gcaaatgaac tttggtccca aatatccatc ttttcagtag cngctaatta 360
tgctctgttt ccaactgcnt ttcctttcca attgaattaa antgtggcct cgttttagt 420
catttacctc ggccgcgacc acnctaaggg cgaaattcca gcacactggc gggccgntac 480
ctagtgggat ccccaacctc nggatacccn aggccttggg ccgctaaatn caattggg 538


<210> 1470
<211> 317
<212> DNA
<213> Homo sapiens


<400> 1470
aaaaacaaaa acccttaacg gaactgcctt aaaaaggcag acgtcctagt gcctgtcatg 60

```
ttatattaaa catacataca cacaatcttt ttgcttatta taatacagac ttaaatgtac 120
aaagatgttt tccacttttt tcaatttta aacacaacag ctataaacct gaacacatat 180
gctatcatca tgccataaga ctaaaacaat tatatttagc gacaagtaga aaggattaaa 240
tagtcaaata caagaatgaa aaacgcagta catagtgtcg cgaactcaaa tcggcattta 300
gatagatcca gtggttt                                                317
```

<210> 1471
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 350, 399
<223> n = A,T,C or G

<400> 1471
```
cccgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccaatg agactctagg gtccagtgga tgccacagcc cagcttggcc ctttccttcc 240
agatcctggg tactgaaagc cttagggaag ctggcctgag aggggaagcg gccctaaggg 300
agtgtctaag aacaaaagcg acccattcag agactgtccc tgaaacctan tactgccccc 360
catgaggaag gaacagcaat ggtgtcagta tccaggctnt gtacagagtg cttttctgtt 420
tagtttttac tttttttgtt ttgttttttt                                  450
```

<210> 1472
<211> 216
<212> DNA
<213> Homo sapiens

<400> 1472
```
ggcaggtaaa ctacctcaaa acactttccc atgagtgtga tccacattgt taggtgctga 60
cctagacaga gatgaactga ggtccttgtt ttgttttgtt cataatacaa aggtgctaat 120
taatagtatt tcagatactt gaagaatgtt gatggtgcta gaagaatttg agaagaaata 180
ctcctgtatt gagttgtatc gtgtggtgta tttttt                           216
```

<210> 1473
<211> 219
<212> DNA
<213> Homo sapiens

<400> 1473
```
cctgaaggaa gagctggcct acctgaagaa gaaccatgag gaggaaatca gtacgctgag 60
gggccaagtg ggaggccggg tcagtgtgga ggtggattcc gctccgggca ccgatctcgc 120
caagatcctg agtggcatgc gaagccaata tgaggtcatg gccgagcaga accggaagga 180
tgctgaagcc tggttcacca gccggactga agaattgaa                        219
```

<210> 1474
<211> 255
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
<222> 240, 244, 251
<223> n = A,T,C or G

<400> 1474
aaaaacctgg ggaactttag gttatttata caaagggaat aaataggctg attttaattt 60
ggtaagttga tcttttatt atgaatttgg taatagtata ggtttattat ttattcatct 120
aattttatag tacaggtttt gtaatgttac atgtgatgat atgagctccc accttatatg 180
ggggaacatc ttgggaattt gagatttaat aagtttttt tttttttttt tttttagggn 240
tttnccggca ncccc 255

<210> 1475
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 447, 467, 494, 509, 512, 530, 539, 544, 553, 559, 568, 575,
577, 595, 596, 604, 609, 618, 626, 634, 637
<223> n = A,T,C or G

<400> 1475
aaactttcaa agaatcactt ttaggcttac aaaaataaat atttgtcaaa atgttcaata 60
aatattacat aaaactagca gcaaaaagta tctagaaatc tgtcgtgtgc aaatagtttt 120
cttcccaact atcattccca tggtcccaaa taaattttag aatctagtcc catccccttc 180
ctagacaagc tgcgttcaac aatctccaag agacaaagta agattggaag tttaaggaca 240
cgcacacaag acatatatat aaaattctct gaatgtgcaa taaaagaagt actttgtaaa 300
aagttatggg caaaatgtac aagggcctaa acctagacta attgaaatag caccataaca 360
aatgacctca atactgtcaa gtgcacctac ttaataaaag ttttagaaca aggcacaata 420
cacttggaaa atctattgca cttttangaa aattttttgcc cgtcttnctt ttgccactgg 480
taaaaaagat gganccggtt ttggatcanc cnccattttt ggaacctttn gggcccggna 540
accncccttt aangggcgna aattccancc ccccntnggg gggccggttt cttnnngggg 600
aatncccana cttcgggncc cccaancttt gggnggnaaa tcaatggggc catta 655

<210> 1476
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 391, 401, 407, 412, 423, 457, 462, 477, 482, 492, 497, 498,
507
<223> n = A,T,C or G

<400> 1476
ccaatcaata agggactttc ctctctgcca ttaagagcaa cgatgctgac cacatactct 60
gtgcctggag tgaggttggt gagggtgatg gaattccgag agtggggcac ccgatcttct 120
cgaggtctcc cactgaagtg ctcgggatga tggcggatcc tgtagccagt gatggtggct 180
cgaggagcaa tccagtgcac agtaaaagag ttggcagtaa tatcagaaaa gtcaatgcca 240
gttggggaat caagacctgt ttttcccacc cgggggagga agagaaaaaa aaaagaaaag 300
accccccag tttaggaagt gaggaaggtg tagggggaaat taacgtacat ccaacatttc 360
gttccttgtc tcatcaatcc atgatttgcc ntaaaccaaa nagtaanaag tnctgattct 420

```
aanctacata tgaattttac cttcggccgc gaccccnctt angggcgaat tccaccnccc 480
tngcggccgg tncttanngg atcccanctc gg                              512
```

<210> 1477
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 271, 279, 280, 299, 309, 313, 321
<223> n = A,T,C or G

<400> 1477
```
cctgacttct gctggcatca agaggtggga gggccctccg accacttcca ggggaacctg 60
ccatgccagg aacctgtcct aaggaacctt ccttcctgct tgagttccca gatggctgga 120
aggggtccag cctcgttgga agaggaacag cactggggag tctttgtgga ttctgaggcc 180
ctgcccaatg agactctagg gtccagtgga tgccacatgc ccagcttggc cctttccttc 240
cagatcctgg gtactgaaag ccttagggaa nctggtctnn gaggggaagc gggcctaang 300
gattgtttna tancaaaacc nacccattca ga                              332
```

<210> 1478
<211> 532
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 310, 354, 369, 426, 433, 439, 449, 476, 481
<223> n = A,T,C or G

<400> 1478
```
ctgggtacca ttccgggtca tccgcagaaa ttcctcatag atggcaactc tgtctactct 60
ccgagccagt ggcgagaagt tacacaggga gtccaccccg gtgtggtgcc tgttggggac 120
agacctgaat gttgaaactt gacagtcaga aaaataactc ttgatgctgc tgtttcggaa 180
agagttggtt gaaccgcatc ctcaatattc cttttgttc ctctgggtaa ttgggtgggt 240
gcctggcttg gcttttgtcc tgggaaatat gggtaagggt tgggtgaatg ggtgaaaatt 300
caagggtaan aaatgcctgg ggtggcttgg aaccttcttt ggttgggttg aatnaacttg 360
gatgaactnc atttcttgca catgggattg tccacccact tgggaaggtg gaacccaacc 420
aatggnatga agnatttang ggccttatnt aaaaaagaat tgcttccccc agggtngggg 480
ncaaaatgga aggaaaacaa tggccttgac agtgaccaca ccggaatcca tt          532
```

<210> 1479
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 17, 448, 459, 478, 480, 526, 535, 549, 560, 568, 569, 581, 588, 592, 593, 606, 609, 645, 652
<223> n = A,T,C or G

<400> 1479

```
ccaactatgc ctctcanaac atcacctacc actgcaagaa cagcattgca tacatggatg  60
aggagactgg caacctgaaa aaggctgtca ttctacaggg ctctaatgat gttgaacttg  120
ttgctgaggg caacagcagg ttcacttaca ctgttcttgt agatggctgc tctaaaaaga  180
caaatgaatg gggaaagaca atcattgaat acaaaacaaa taagccatca cgcctgccct  240
tccttgatat tgcacctttg gacatcggtg gtgctgacca ggaattcttt gtggacattg  300
gcccagtctg tttcaaataa atgaactcaa tctaaattaa aaaagaaaga aatttgaaaa  360
aactttctct ttgccatttc ttcttcttct tttttaactg aaagctgaat ccttccattt  420
cttctgcaca tctacttgct taaattgngg gcaaaagana aaaagaagga ttgatcanan  480
cattgggcat acagttcatt aacttcttcc cccttcccca aaattnaatt ttttnaaccc  540
cttaccctnt atggaaaagn aacctttnng aaaccccaat naaattgnaa annaaaccct  600
aacttnccnc ttgggttta attttccaaa ggaaattcct cccgngggct tnaaagggaa  660
accccctggg g                                                      671
```

&lt;210&gt; 1480
&lt;211&gt; 483
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;400&gt; 1480
```
ctggacctcc aggtgtaagc ggtggtggtt atgactttgg ttacgatgga gacttctaca  60
gggccgacca gcctcgctca gcaccttctc tcagacccaa ggactatgaa gttgatgcta  120
ctctgaagtc tctcaacaac cagattgaga cccttcttac tcctgaaggc tctagaaaga  180
acccagctcg cacatgccgt gacttgagac tcagccaccc agagtggagc agtggttact  240
actggattga ccctaaccaa ggatgcacta tggatgctat caaagtatac tgtgatttct  300
ctactggcga aacctgtatc cgggcccaac ctgaaaacat cccagccaag aactggtata  360
ggagctccaa ggacaagaaa cacgtctggc taggagaaac tatcaatgct ggcagccagt  420
ttgaatataa tgtagaagga gtgacttcca aggaaatggc tacccaactt gccttcatgc  480
gcc                                                               483
```

&lt;210&gt; 1481
&lt;211&gt; 453
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

&lt;220&gt;
&lt;221&gt; misc_feature
&lt;222&gt; 57, 401, 403, 408, 411, 425, 429, 434, 441
&lt;223&gt; n = A,T,C or G

&lt;400&gt; 1481
```
aaagacaaaa aaattctttt atgtacaata tcttgtctag agtctagcaa atatagnacc  60
tttcattgca ggatttctgc ttaatataac aagcaaaaac aaacaactga aaaaatataa  120
accaaagcaa accaaacccc ccgctcaact acaaatgtca atattgaatg aagcattaaa  180
agacaaacat aaagtaactt cagcttttat ctagcaatgc agaatgaata ctaaaattag  240
tggcaaaaaa acaaacaaca aacaacaaac aaaacaaaac aaacaaacaa caaaatccca  300
ccaatcttca tgggtaaact ttcctgctca gggatgtaag ctgactctag accatctcgc  360
ggttcctgcg gatagcacag cacacgatca tactgaagat nangccanat ntcatgacca  420
ccgcnatgnc gatncccact nccccggatg atg                               453
```

&lt;210&gt; 1482
&lt;211&gt; 542
&lt;212&gt; DNA
&lt;213&gt; Homo sapiens

```
<220>
<221> misc_feature
<222> 126, 231, 250, 303, 332, 334, 355, 364, 366, 368, 391, 423,
424, 439, 446, 461, 469, 473, 499
<223> n = A,T,C or G

<400> 1482
aaacatctca catatacaaa ataggtacaa tttaattttt ctgcttgccc aagaaacaaa 60
gcttctgtgg aaccatggaa gaagatgaaa atgagactgg gcaaagaaac aaatgcttga 120
atctgnaaga aagaagggac aacttttggg caaataatct gctacccttt taattgggaa 180
ataagaatgg gaaaatatga atgcttaatc aaattttttta aaaaatcccc nccccgatcc 240
acttaatacn ggaatatttc ttctcaaatt cttctaaccc catcaacatt cttcaagtat 300
ttnaaatact attaattagc acctttgtat tntnaaccaa acaaaacaag ggccncagtt 360
catntntntc taaggcagca cctaacaatg nggatcacac tctgggaaag tggtttgaag 420
gannttaaac ctttggaant ttgggntttc ctgccccggc ngccgttcna aanggcgaat 480
tccacacact ttgcggcgnt cttatggatc cactcggacc aacttgcgaa tctgggatac 540
tg                                                            542


<210> 1483
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 311, 317, 320, 324, 328
<223> n = A,T,C or G

<400> 1483
ccgggcgggt tgacctccgt gcctagtcgt ggctctccat cttgtctcct ccccgtgtcc 60
ccaatgtctt cagtgggggg ccccctcttg ggtcccctcc tctgccatca cctgaagacc 120
cccacgccaa acactgaatg tcacctgtgc ctgccgcctc ggtccacctt gcggcccgtg 180
tttgactcaa ctcagctcct ttaacgctaa tatttccggc aaaatcccat gcttgggttt 240
tgtctttaac cctgtaacgc ttgcaatccc aataaagcat taaaagtcaa aaaaaaaaa 300
aaacttgggc ngaaacnacn ttangggnaa                              330


<210> 1484
<211> 624
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 486, 571, 607, 614
<223> n = A,T,C or G

<400> 1484
gagagcgagc tgagtggttg tgtggtcgcg tctcggaaac cggtagcgct tgcagcatgg 60
ctgaccaact gactgaagag cagattgcag aattcaaaga agcttttttca ctatttgaca 120
aagatggtga tggaactata acaacaaagg aattgggaac tgtaatgaga tctcttgggc 180
agaatcccac agaagcagag ttacaggaca tgattaatga agtagatgct gatggtaatg 240
gcacaattga cttccctgaa tttctgacaa tgatggcaag aaaaatgaaa gacacagaca 300
gtgaagaaga aattagagaa gcattccgtg tgtttgataa ggatggcaat ggctatatta 360
gtgctgcaga acttcgccat gtgatgacaa accttggaga gaagttaaca gatgaagaag 420
```

```
ttgatgaaat gatcagggaa gcagatattg atggtgatgg gtcaagtaaa ctatgaagag 480
tttgtncaaa tgatgacagc aaagtgaaga ccttgtccag aatgtgttaa atttcttgta 540
caaaatggtt atttgccttt tctttgtttg nacttatctg taaaaggttc ttcctctgca 600
aaaaatngca tgtntagtaa ttag                                      624
```

```
<210> 1485
<211> 215
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 188, 199, 205, 209
<223> n = A,T,C or G

<400> 1485
ctgtggagga gggtttcaga ggagagaggt cggagagcag aggcctgaga agccagaggc 60
aggtggagag agggtggaaa gtgagcagcg ggctgggctg gagccgcaca cgctctcctc 120
ccatgttaaa tagcaccttt agaaaaattc acaagtcccc atccacaaaa aaaaaaaaaa 180
aaaaaaantt ttcggggant aaaantaant tttaa                          215
```

```
<210> 1486
<211> 271
<212> DNA
<213> Homo sapiens

<400> 1486
gaagattccc gagagtaaat catctttcca atccagagga acaagcatgt ctctctgcca 60
agatccatct aaactggagt gatgttagca gacccagctt agagttcttc tttctttctt 120
aagccctttg ctctggagga agttctccag cttcagctca actcacagct tctccaagca 180
tcaccctggg agtttcctga gggttttctc ataaatgagg gctgcacatt gcctgttctg 240
cttcgaagta ttcaataccg ctcagtattt t                             271
```

```
<210> 1487
<211> 204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 54, 79, 91, 117, 125, 138, 164, 174, 187, 194
<223> n = A,T,C or G

<400> 1487
gtgctatgta tggtgtgtgt gttgtgtatg tggtgtgtgg tgtgtgtggt gcanggggca 60
tgtgtgtggt gtatgctcnt gtgtgtgctg ngctcgtgtg tgtgctgtgt tcatgcntgt 120
gctgngtgtt gtgtgtgngt actgcgggga tcataaaata tgantgcttt ttangatggg 180
aattganatg taanatttgg gggt                                      204
```

```
<210> 1488
<211> 375
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> 351
<223> n = A,T,C or G

<400> 1488
ccaactcagc ttttgtggag cgagtgcgga aacggggctt cgaggtggta tatatgaccg 60
agcccattga cgagtactgt gtgcagcagc tcaaggaatt tgatgggaag agcctggtct 120
cagttaccaa ggagggtctg gagctgcctg aggatgagga ggagaagaag aagatggaag 180
agagcaaggc aaagtttgag aacctctgca agctcatgaa agaaatctta gataagaagg 240
ttgagaaggt gacaatctcc aatagacttg tgtcttcacc ttgctgcatt gtgaccagca 300
cctacggctg gacagccaat atggagcgga tcatgaaagc ccaggcactt ngggacaact 360
ccaccatggg ctata 375

<210> 1489
<211> 214
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 10, 70, 148, 158, 159, 165, 201, 203
<223> n = A,T,C or G

<400> 1489
tgcccgtgcn ggtgccattg ccccatgtga agtcactgtg ccagcccaaa acactggtct 60
cgggcccgan aagacctcct ttttccaggc tttaggtatc accactaaaa tctccagggg 120
caccattgaa atcctgagtg atgtgcanac cttggcgnna ccacnctaag ggcgaatttc 180
aacacactgg ggggcgtact ngnggatacc aaat 214

<210> 1490
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 43
<223> n = A,T,C or G

<400> 1490
aaaatcctga ttttggagac ttaaaaccag gttaatggct aanaatgggt aacatgactc 60
ttgttggatt gttatttttt gtttgcaatg gggaatttat aagaagcatc aagtctcttt 120
cttaccaaag tcttgttagg tggtttatag ttcttttggc taacaaatca ttttggaaat 180
aaagattttt tactacaaaa atgaaatttg tttggacttc cacttgagac agtaaagaga 240
gtattagaca cccagtaaaa actgccatat aaagaagttg taattgtttg ttgtgtatgt 300
atttttttca atgccaaacc ag 322

<210> 1491
<211> 683
<212> DNA
<213> Homo sapiens

<220>

```
<221> misc_feature
<222> 452, 604, 605, 626, 642, 661, 681
<223> n = A,T,C or G

<400> 1491
cgagcacgag ctgtgagggg attcacttgt gtgcggaact cctcggaacc atggcgtccc 60
tttcccttgc acctgttaac atctttaagg caggagctga tgaagagaga gcagagacag 120
ctcgtctgac ttcttttatt ggtgccatcg ccattggaga cttggtaaag agcaccttgg 180
gacccaaagg catggacaaa attcttctaa gcagtggacg agatgcctct cttatggtaa 240
ccaatgatgg tgccactatt ctaaaaaaca ttggtgttga caatccagca gctaaagttt 300
tagttgatat gtcaagggtt caagatgatg aagttggtga tggcactacc tctgttaccg 360
ttttagcagc agaattatta agggaagcag aatctttaat tgcaaaaaag attcatccac 420
agaccatcat agcgggttgg agagaagcca cnaaggctgc aagagaggcg ctgttgagtt 480
ctgcagttga tcatggttcc cgatgaaagt taaattccgt caagattaat gaatattgcg 540
ggcacaacat tatcctcaaa acttcttact catcacaaag accactttac aaagttagct 600
gttnnaacag tctcagactg aaaggntctg caacctggag cnattcattt atcaaaaact 660
nggaggaagt ttgcaatcct ntt 683
```

```
<210> 1492
<211> 545
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 332, 344, 346, 386, 418, 427, 431, 444, 476, 494, 498, 508
<223> n = A,T,C or G

<400> 1492
ccggacatcc caacgcatgc tcctggagct cacagccttc tgtggtgtca tttctgaaac 60
aagggcgtgg atccctcaac caagaagaat gtttatgtct tcaagtgacc tgtactgctt 120
ggggactatt ggagaaaata aggtggagtc ctacttgttt aaaaaatatg tatctaagaa 180
tgttctaggg cactctggga acctataaag gcaggtattt cgggccctcc tcttcaggaa 240
tcttcctgaa gacatggccc agtcgaagcc caggatggct tttgctgcgg ccccgtgggg 300
taggagggac agaagagaca gggaagagtc anctcccat tcanangcat cacaagtaat 360
ggcacaattt cttcggatac ttgcanaaaa tatggtttgt agttcaacac tcaagacnaa 420
cttattntta ngataactct taangcaact tattcatcct cactttgcct cttacncatg 480
taaaagatta tttnaacnga ggagatgntg tggacctccg ctggacctaa ataccttgta 540
ctact 545
```

```
<210> 1493
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 365, 435, 451, 458, 484, 488, 493, 496, 515, 526, 540, 544,
563, 567
<223> n = A,T,C or G

<400> 1493
ctggtccagg atagcctgcg agtcctccta ctgctactcc agacttgaca tcatatgaat 60
catactgggg agaatagttc tgaggaccag tagggcatga ttcacagatt ccagggggc 120
```

```
caggagaacc aggggaccct ggttgtcctg gaataccagg gtcaccattt ctcccaggaa 180
taccaggagg gcctggatct cccttggggc cttgaggtcc ttgaccatta ggagggcgag 240
taggagcagt tggaggctgt gggcaaactg cacaacattc tccaaatgga atttctgggt 300
tggggcagtc taattcttga tcgtcacata ttatgtcatc gcagagaacg gatcctgagt 360
cacanacaca tatttggcat ggttctggct tccagacatc tctatccgca taggactgac 420
caagatggga acatnctcct tcaacagctt nctgttgngc caaaataata gtgggatgaa 480
gcanaacnag aantanccac ctcccttttc acaancttat catgtntaat ataaacttan 540
aatntttgtc aaaaaggaaa aanaaancc                                   569
```

<210> 1494
<211> 344
<212> DNA
<213> Homo sapiens

<400> 1494
```
ctgattctat ttccttctca aaaaaagtta tttacagagg gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc tttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaacccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt                  344
```

<210> 1495
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 356, 411, 452, 459, 469, 481, 490
<223> n = A,T,C or G

<400> 1495
```
aaatggtatc tcttagtaac ttgcactcgt taaagaaaca cggagctggg ccatcgtcag 60
aactaagtca gggaaggaga tggatgagaa ggccagaatc attcctagta catttgctaa 120
cactttattg agaaattgac catgaattaa tggactcatc ttaatttctt ctaagtccat 180
atatagatag atatctatct gtacagattt ctatttatcc atagataggt atctatacat 240
acacatctca agtgcatcta ttcccactct cattaatcca tcatgttcct aaattttttgt 300
aatcttactg taaaaaaaag tgcactgaac ttcaaaacaa aacaaaaaac aacacnacaa 360
aaacaagtcc aactgatata tcctatatct gttaaaattc aaaagtgaac naagctttaa 420
ctggcctcgg ccgcacccccc taaggcaatt cnacccctng ggcgtctant gatccactcg 480
naccactggn gatatgctac t                                           501
```

<210> 1496
<211> 344
<212> DNA
<213> Homo sapiens

<400> 1496
```
ctgatttttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc tttttttttcc cccaaacatt 120
gtttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaacccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttttgct tattataata 300
```

```
cagacttaaa tgtacaaaga tgttttccac ttttttcaat tttt                    344


<210> 1497
<211> 190
<212> DNA
<213> Homo sapiens


<400> 1497
ctgtatcatc tagacgctta tatcccgctg cagatcaact ctcatgagag caaggcagcc 60
ttccaccgga agagaaagca attaatggtg gccacatctc ccattagctc tagcatgaaa 120
cctgtacaga caatgtttgt ttcttttgta aaaagcagta agttatgccc agtaactaaa 180
tgaattcaaa                                                          190


<210> 1498
<211> 343
<212> DNA
<213> Homo sapiens


<400> 1498
ctgattttat ttccttctca aaaaaagtta tttacagaag gtatatatca acaatctgac 60
aggcagtgaa cttgacatga ttagctggca tgattttttc ttttttttcc cccaaacatt 120
gttttttgtgg ccttgaattt taagacaaat attctacacg gcatattgca caggatggat 180
ggcaaaaaaa agtttaaaaa caaaaaccct taacggaact gccttaaaaa ggcagacgtc 240
ctagtgcctg tcatgttata ttaaacatac atacacacaa tcttttgct tattataata 300
cagacttaaa tgtacaaaga tgttttccct ttttcaatt ttt                     343


<210> 1499
<211> 693
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 494, 511, 528, 550, 560, 566, 582, 593, 594, 598, 610, 626,
641, 651, 675, 678, 690
<223> n = A,T,C or G


<400> 1499
ggaaaaaaaa ttagaggatg aagccaaaac taacacattc taaagaattg caaggaaagc 60
aactatgtaa ttctgttgaa aaaggaaagc tcaggaaata ctctttttat ttcttttgat 120
tctagctgtc tgcgagcctg gctgtggtgc acatggaacc tgccatgaac ccaacaaatg 180
ccaatgtcaa gaaggttggc atggaagaca ctgcaataaa aggtacgaag ccagcctcat 240
acatgccctg aggccagcag gcgcccagct caggcagcac acgccttcac ttaaaaaggc 300
cgaggagcgg cgggatccac ctgaatccaa ttacatctgg tgaactccga catctgaaac 360
gttttaagtt acaccaagtt catagccttt gttaaccttt catgtgttga atgttcaaat 420
aatgttcatt acacttaaga atctggctga attttattag cttcattata aatactgact 480
gatatttact cttnccttta agttttaag ncctctgtac atgatggnat aaattttctt 540
gtttcagtgn tttgggacan attttnttta tgtaattgtt cnggtaaaat ttnngggngg 600
agtgggaaan ttttcaaatt ccatcntttt ggggttgggg nggggacat naaaaggtaa 660
ttgggcaaaa tgctnagncc aaaatttgan ggc                                693


<210> 1500
<211> 290
<212> DNA
```

<213> Homo sapiens

<400> 1500
cccagaccag gaattcggct tcgacgttgg ccctgtctgc ttcctgtaaa ctccctccat 60
cccaacctgg ctccctccca cccaaccaac tttccccca acccggaaac agacaagcaa 120
cccaaactga accccctcaa aagccaaaaa atgggagaca atttcacatg gactttggaa 180
aatatttttt tcctttgcat ttatctctca aacttagttt ttatctttga ccaaccgaac 240
atgaccaaaa accaaaagtg cattcaacct tacaaaaaaa aaaaaaaaaa 290

<210> 1501
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 23, 33, 35, 41, 114
<223> n = A,T,C or G

<400> 1501
aaacttgatc caacctcttt gcntcttaca aantnaaaca nctaaaataa gtaaaataag 60
aaggcaatgc ttgtggaatg tacagtgcat attggcggcg cacgcctcat tacnattcgc 120
ctgcttgctt ctcctgttca atcgtttctt tggaaggcag tggatttttc tcttgcgtct 180
ctgtcttctt cagtttcgac ttatcgaatt tctcgatctc agccatatcg ggtttgtcag 240
acatggttgc ggaggaaaag cgaagcgagg cgcacgagta cgagcgaagt ctggtctgcg 300
c 301

<210> 1502
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 666
<223> n = A,T,C or G

<400> 1502
aaaagtcaca aatcacagtg ggagaatgcc aaaattgcttt agcttggaac tactgaagac 60
gcacatagca tttattataa ggcctactct taggcagttc actctcaaag caatgaaaat 120
aatctcaaac caaacattac agtgggtttg aagcgttcct acgtttcttc cgagcaggtc 180
agttttacat ttgctacaca gcattcccca cgaatgcctg gtaattctat acatttgatt 240
ctttaataaa cactaaacta atagatcata gaaaactaaa agcttagaga aggtgcctcc 300
agacatattt acataaataa cgtagcctca caagaaagac caagatctca ttagcgtgga 360
atgcttttc cacaaggctg ggtccatgcc tcatttgtca rattaacccc atttgaggag 420
aaatttgagt ttgtggttca tgggttttttg aaaaaaaaaa aaaaaaaaaa rggaattaag 480
caacttgtaa aagctctttt gaaattaatc taataaccca gtggctcctc ggctaagtgc 540
ctcagtcctg tctgaaatac agcgggtaag agcctttgtt tccatttgac ctcttttcaa 600
cactttcatc tgccctgacc ctcatcagga acaagagggc tccccaatcc ccagggcccg 660
gctcanaagg aagggtgggg agagaagggg cgagagggag caggtgagg ggcacagagc 720
tgaggctgcc aacctgcccc ggg 743

<210> 1503
<211> 409

<212> DNA
<213> Homo sapiens

<400> 1503
ctgtaaaaga tcctatgcga aagacactgg ctcttttttt taatccccca aataaatttt 60
gccccctttt aggccatgtt ccattatctc ttaaaattgg aacctaattc gagaggaagt 120
aagaagggtc tgttctgtgg ctgagctagg tgaaccccgg ggtaggggaa agatgttaac 180
acctttgacg tctttggagt tgacatggaa cagcaggtag ttgttatgta gagctagttc 240
tcaaagctgc cctgcctgtt ttaggaggcg ttccacaaac agattgaggc tcttttagaa 300
ttgaatttac tcttcagtat tttctaatgt tcagctttct aagaggcata tatttttcaa 360
agaagtgagg atgcagtttc tcacgttgca acctattctg aagtggttt 409


<210> 1504
<211> 104
<212> DNA
<213> Homo sapiens


<400> 1504
ctgtaactgt ctatgtacag aaaccggtct gggtgctttg gcttacaggt taccttgtgc 60
cataccttg aaacaaggga cctgtccagg cttccttctg gtgg 104


<210> 1505
<211> 574
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 342, 393, 410, 413, 463, 493, 495, 499, 523, 548
<223> n = A,T,C or G


<400> 1505
gtggagggag aatcacgaca tcattcataa ataactgtgg agtctgggat gctggctgaa 60
ggcatctcca ggaaggactg gagggcgatt ttgctaaagg gctgctcact gctcatttca 120
ctgcatgccg ctttttctcac tttggttggg agtttgaagg accatgtaat cacagagatt 180
agagctccct gtgaaatcaa tcactgcctt tagatctcca caaagacctg ttctccaata 240
gcacatgcgt ttctctgtga gctgtattcg catcagcgcc ggagcctcag aaagaatgcg 300
tgtttacact ctgtactctc caatgggtaa tatttatcat anaaatctaa tcatattctt 360
catcttgaat ccaacttctg tacagtagca tancggggtt gcttgctgan acntgaaggg 420
ttacgtcctt gcccatgcag gtctccaaaa gagtggaaaa atncaagata aaaatggaaa 480
ggacctcggc gcnancacnc taagggcgaa ttccaccact tgnggccgtt actagggatc 540
caactcgnac caaactggcg aatatggcat actg 574


<210> 1506
<211> 542
<212> DNA
<213> Homo sapiens


<400> 1506
ccactcactc tcggacgtag accctggtgc acacaacgtc atccgccgtc atggtcagga 60
tcagttcccc atcgttggtc agttctctgg tccacgaggt cttggggccc tctcccttca 120
ggagcttctg ctcacagacc attttattct cactctccca tttcaccagg ctcttacagg 180
gcctccatc cacagtctgc tcctcaaact cctccccaac cttgaagtta atctctgtgg 240
tgcgcacggt ggtggaggtt ttgatgtaga aagtgtctcc ctcctgtttg atctccactg 300

```
ctggcttgga cgctgcagcc acagcaatct tcctcagcat cacattcacc cccagcactt 360
tgagcaattc ctcgaagttt tccgatcgga tgattttcca gttgccagag aagttgggca 420
tggtggcggc gcgggaggcg gtccccgtag actcctaggc tggagcactg gacactgtct 480
tttagtcaaa agagacgtcg ccgtcgccgg gtcgtcaggt tctggaacca agacaagtcc 540
ag                                                                 542
```

```
<210> 1507
<211> 386
<212> DNA
<213> Homo sapiens
```

```
<400> 1507
aaaatcttgc atggcattaa ttgttccttg cttttatagt tgtattttgt acattttgga 60
tttctttata taaggtcata gattcttgag ctgttgtggt ttttagtgca cttaatatta 120
gcttgcttaa ggcatacttt taatcaagta gaacaaaaac tattatcacc aggatttata 180
catacagaga ttgtagtatt tagtatatga aatattttga atacacatct ctgtcagtgt 240
gaaaattcag cggcagtgtg tccatcatat taaaaatata caagctacag ttgtccagat 300
cactgaattg gaactttct cctgcatgtg tatatatgtc aaattgtcag catgacaaaa 360
gtgacagatg ttattttgt atttt                                        386
```

```
<210> 1508
<211> 286
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 261, 281
<223> n = A,T,C or G
```

```
<400> 1508
ttcaaagaat cacttttagg cttacaaaaa taaatatttg tcaaaatgtt caataaatat 60
tacataaaac tagcagcaaa aagtatctag aaatctgtcg tgtgcaaata gttttcttcc 120
caactatcat tcccatggtc ccaaataaat tttagaatct agtcccatcc ccttcctaga 180
caagctgcgt tcaacaatct ccaagagaca aagtaagatt ggaagtttaa ggacacgcac 240
acaagacata tatataaaat nctctgaatg tgcaataaaa ngaagt           286
```

```
<210> 1509
<211> 526
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> 227, 254, 258, 263, 266, 281, 284, 285, 289, 374, 389, 390,
391, 414, 417, 419, 428, 447, 464, 472, 484, 485, 488, 490,
492, 495, 500, 507, 510
<223> n = A,T,C or G
```

```
<400> 1509
ggggagatgg ggagaggaat gatctctgcc cagcccttc ctttccaaac catgcaatgg 60
aagagcccag atgggtgaag attgattttg ccttaactca agagaattcc tgttctcctt 120
gtgctatgat ttggacacaa gattctggat acctggaact tagctgtgta ctcctgtacc 180
ctaaacagtg gatttgagtt ccagcgttta ttcttttttc cttttncag atcaccatct 240
```

```
aagttacatc tttngctnag gtncancctt ctcaagatct nctnnttanc cccccagccc 300
ctggtgctgt ctgtggtcag gtgaccttac tcaggagcag atatctcctt ggccgccatg 360
gagcctcatc catncacacg tgcctgtann nttccagagc tcactgccct tctngangng 420
ccttcccnct tggctttcaa cgggttntgc tcactctgtt ctgnccaggg tntttaaaaa 480
aaannccntn anaanccggn cacccanaan tttaacccct tttccc             526
```

`<210> 1510`
`<211> 422`
`<212> DNA`
`<213> Homo sapiens`

`<220>`
`<221> misc_feature`
`<222> 30, 173, 177, 178, 184, 185, 187, 189, 190, 191, 192, 194,`
`195, 196, 199, 242, 243, 250, 263, 265, 273, 283, 287, 292,`
`305, 313, 322, 323, 348, 354, 389, 417`
`<223> n = A,T,C or G`

`<400> 1510`
```
aaaaaacatt tcacaaataa gatgtagctn tccaaacaaa tccattcgat gaccattatc 60
acaactatat tttattctaa tttataaaac aaaaaatggt tagacaagca catgagatca 120
agagtcttca acacagtgga ttccatttta ttaagaaaaa aaatagaaaa canggganncc 180
ttanntngnn nnannnctnc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
anntgttccn gtggggccgg gngngntgccc agngcttttg ggnccancgc cnaagacatg 300
agaantttaa ccntcgactt gnnatttttc ataaaaacta aacatttnct tatngggggtg 360
ggagtaaaaa atcttcctag gccattttna gtggcttaaa aaagggcccc tttttncccc 420
ct                                                             422
```

`<210> 1511`
`<211> 365`
`<212> DNA`
`<213> Homo sapiens`

`<220>`
`<221> misc_feature`
`<222> 5, 11, 279, 299, 330, 334, 365`
`<223> n = A,T,C or G`

`<400> 1511`
```
aaaanacagg natctctgca gcaggccatg tgatgctcct taatggccta cataatccag 60
ccctcaagca cctccgtgat ctctgtaaaa ctttcccttg gtcactgtgc ttcagtcaca 120
ttaaccagct tgcatatttc tcacattcac caagcttgtt cctgccttgg ggcctttgta 180
cttaccatgt tctgttctga gaatactctg cctcaagata tcctacaact atcttactgt 240
attcagcttt tttttttttt tttttttttt acgtcctgnt gatgttaagt cctgttgana 300
gcaccaggta aacactctgc accccttctn ttantagtaa taggtttttc actccttggc 360
ctcan                                                          365
```

`<210> 1512`
`<211> 361`
`<212> DNA`
`<213> Homo sapiens`

`<400> 1512`
```
ccatttgttg gttcaatttt gccatctgtg actggctcac attcttagac atgtcgccac 60
```

```
ctgaggggaa aaaaaaagat tttgagtcag cgtaggaggt aatataatca gtataatcag 120
ggtataatag aaagtttgat gaactgagaa aatactaaga aaaaattaca taatcctatc 180
actctaacat aattctttct atttctacat attcccttct aatctttttc tcaattacat 240
actattcttt gaagaccatg taaaattcta tataaaagga catataaaag gcttttttaa 300
ggctacgatt tatgctaata ctttatttat atctgtgaat aagccactat tagcaaaatt 360
g                                                                 361
```

```
<210> 1513
<211> 403
<212> DNA
<213> Homo sapiens

<400> 1513
aaaaaacatt tcacaaataa gatgtagctt tccaaacaaa tccattcgat gaccattatc 60
acaactatat tttattctaa tttataaaac aaaaaatggt tagacaagca catgatatca 120
agagtcttca acacagtgga ttccatttta ttaagaaaaa aaatagaaaa caagtagtcc 180
ttaaattgtc ttagctctcc atagcatacg ttatataaaa ttaaagtttt gcttccaaaa 240
atatgtttcc atgtggtcgt ggtgttgtcc agtgctatta gggccaaagc accaaagaca 300
tgagaagttt aaccatcgac ttgtcatttt tcataaaaac taaacatttc cttataggtc 360
tggagtaaaa tcttctaggc attttagtgc taaaagtcac ttt                   403
```

```
<210> 1514
<211> 62
<212> DNA
<213> Homo sapiens

<400> 1514
ggcatggttg tggttaatct ggtttatttt tgttccacaa gttaaataaa tcataaaact 60
tg                                                                62
```

```
<210> 1515
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 34
<223> n = A,T,C or G

<400> 1515
tttaaataaa aattgtaaag cactccattc aatnaaagca cataagtccc cctcaataat 60
tagtatgaca attcacgata cagctcttac tctgggagag tttattttac cctttattcc 120
aaaaggcaca aagtcatctg aggcctcaga tattaacccc actgcatgtt aatgacacac 180
cactgaggtg cagctcaatg taattattaa agcttataac acacttcccc aagaatttat 240
agattctttc tataaataat aattt                                       265
```

```
<210> 1516
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<222> 454, 482, 486, 505, 506
<223> n = A,T,C or G

<400> 1516
ccataaacac agaagatggt tttggcttta cattgacaca tttctgtgtg tcaatgtaga 60
agagaaaaga agtttaatta tacctttttaa gcaggcaaac cattataata aactgcttta 120
gaaattactt taaaattata cacatttgga acaacagatt ttttaaaaaa tgaagtttgg 180
tgttatgtca gcattttaac tatttttgct atagcgaggc ctcctcatat attatcataa 240
tttatcatag tttaaatagt gaatcatatt ctgatattct gattaataat catattaatt 300
ttgacaatga ttttagtttt tgaagtttta gactgcaata cttaaaaagg ccataatcta 360
ctttaattac cttcatccta gattattaac tataaataaa atgtttatat gatatttgga 420
ttaggtacat ggtacaatat ctgtttttac ctgnaagcat gaaaatgtct taaaaggtaa 480
antaanaaca gccaaaaggt agtgnntttt taccctcggg cc 522

<210> 1517
<211> 248
<212> DNA
<213> Homo sapiens

<400> 1517
gttgtagcat gtgtcaattt tcttcttttt taaggctgaa taatatttca ttggatgtct 60
ataccatgtt ttgtttatcc atggtctgtc gatggacacc aatgttgctt ccatcctttg 120
gctattgtga ataatgctcc tgtgaacatg ggtgtacaaa tatctcttca agaccctaaa 180
ggtggaactg ctggacgatg tggtagcaga gtagctattt taaccttttc attataaaga 240
aaccttt 248

<210> 1518
<211> 322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 27, 28, 186, 227
<223> n = A,T,C or G

<400> 1518
ttttattttt ttaccaattc caatttnnaa atgtctcaat ggtgctataa taaataaact 60
tcaacactct ttatgataac aacactgtgt tatattcttt gaatcctagc ccatctgcag 120
agcaatgact gtgctcacca gtaaaagata acctttcttt ctgaaatagt caaatacgaa 180
attagnaaag ccctccctat tttaactacc tcaactggtc agaaacncag attgtattct 240
atgagtccca gaagatgaaa aaaattttat acgttgataa aacttataaa tttcattgat 300
taatctcctg gaagattggt tt 322

<210> 1519
<211> 339
<212> DNA
<213> Homo sapiens

<400> 1519
ctgatctcta cacgccacca cctgtttcat gtgcatggga agagtaaaaa atgaacccgg 60
ataaaataaa acaaaagcaa acaaaatgct aaatcattgg ttattatcca catcaaataa 120
gtctggttct gtggaatatc taaaagtcac agttttatgc ctttaactac tatacataag 180
ggatgacttt ttaacctcca gggcttatac aacaaaacac acctcagaag cttatataac 240

```
aatatactac ttttttccatt ttatcaacaa ttcagcctgc cttaagctac aaagtaaaat 300
aattagacaa ctgtgatatc aaaacaaaga ttatgtaag                         339
```

<210> 1520
<211> 189
<212> DNA
<213> Homo sapiens

<400> 1520
```
ctgcaggcag tggggacttg gggactagaa caggcaggga ggtggagagc tattctggtg 60
ggatgtccta ggggctgatg aaagtgagcc ttgacagcag ctttgttcta aaggagctta 120
aagagaaagc agtggccggg cgcagtggct caagcctgta atcccagcac cttgggaggc 180
cgaggcggg                                                         189
```

<210> 1521
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 406, 422
<223> n = A,T,C or G

<400> 1521
```
gttggactgc aaattgagtt tctttctctt taggcctttc acaactagga ctgagaatgt 60
atgcaaaagt tctgtgacag tacagaagga aaacaacttt ttatgtatag cttctaaaag 120
ggaaaaaaaa aaaaaaagag aaaccctttg acttccacgt gcccatctca agacattcca 180
ctcacagatt tgaggttctg gattccaggt ctggagtttt ccaatgttaa tgtaaacaga 240
actggcacac acacattaag atgaatgtaa ttattattcc tcttgctggt cactaccgtc 300
gctttctatt tctctttctt tgtgtgaatt tatttaaaag aaaaaaaaac tttttgtaac 360
gactatttgc agtttaaaaa tcaataaacc ccgttttttc aagaancgaa aaaaaaaaa 420
angaaaaaaa aaaaaaagct tgtac                                       445
```

<210> 1522
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 5, 6
<223> n = A,T,C or G

<400> 1522
```
cattnngatg acagcctacc cagatgtggc cccgaggaag gatcaataga taaattatcc 60
accagtgtat ccagctcaag taccttcaac tgagttaaat tcatattagt gtgttttttcc 120
aaaacatgaa tttcatgagc caatatgtca gcaacataga tatacttatc atcaggtgaa 180
atattgatcc catttcctga atcaaatcct tctgctacca cttttaacttc atttggactg 240
tagtaaacaa catttgccca gtgtaagttc aagtatgttt ctaaatactt taagaaagga 300
tcagagaagt agtggtcatt tgtggcatag aaatgtgccg gtccaacag            349
```

<210> 1523
<211> 157

<212> DNA
<213> Homo sapiens

<400> 1523
tatgcagatt atttgcccaa agttgtcctc ttcttcagat tcagcatttg ttctttgtca 60
gtctcatttt catcttcttc catggttcca cagaagcttt gtttcttggg caagcagaaa 120
aattaaattg tacctatttt gtatatgtga gatgttt 157

<210> 1524
<211> 451
<212> DNA
<213> Homo sapiens

<400> 1524
aaaatctctg gcttcaaagt ttcttgggga aaggtcggtt tacctcacat tttttgtttc 60
cattagtaat attctaggta cctcacaaaa tgtattatgg tgccatggct gttagttttt 120
agcgagtgct gtaggattaa ttcgaaaata ggcagaattc cattcctccc aaggtggcaa 180
aaattagcta tactgatgta attgtcattt acctgggtat gaattccctg acacacattc 240
atgtcaacat atgtagcaaa ttttgtgaaa acataacaat ttgaagcttc tgtaattttg 300
agcactgctc taacaacaag cataatataa aattagttag attttgcaag tctacaaatg 360
agctcttgca acagaactca cagccttttt acttttttcc cctaacttta gcaatgtagt 420
atcttgagcc attaattttt gggttttttt t 451

<210> 1525
<211> 229
<212> DNA
<213> Homo sapiens

<400> 1525
tatagcctgc gcgctccagg actgcctacc cagcactacc ccaaacccc agttccaaac 60
ccgagacttc aggcccgccc ccttacgcgt tgtctcattc caccaaattc agaatattta 120
cacaatgcct tcatgatttt attttctgg aaattgaagt gtcaattggg ttctcaatat 180
ttcatgactc caaggatgca ttaaatattt atttgtggta agagaagat 229

<210> 1526
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 548
<223> n = A,T,C or G

<400> 1526
ctgacatccg gcctgcttct tctcacatga caaaaactag cccccacctc aatcatatac 60
caaatctctc cctcactaaa cgtaagcctt ctcctcactc tctcaatctt atccatcata 120
gcaggcagtt gaggtggatt aaaccaaacc cagctacgca aaatcttagc atactcctca 180
attacccaca taggatgaat aatagcagtt ctaccgtaca accctaacat aaccattctt 240
aatttaacta tttatattat cctaactact accgcattcc tactactcaa cttaaactcc 300
agcaccacga ccctactact atctcgcacc tgaaacaaac taacatgact aacaccctta 360
attccatcca ccctcctctc cctaggaggc ctgccccgc taaccggctt tttgcccaaa 420
tgggccatta tcggaagaat tcacaaaaaa caatagcctc atcatcccca ccatcatagc 480
caccatcacc ctccttaacc tctacttcta cctacgccta atctactcca cctcaaatac 540

```
acttactncc ccataatcta acaacgtaaa a                                        571
```

<210> 1527
<211> 171
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 54, 63, 152
<223> n = A,T,C or G

<400> 1527
```
gtgtgagcaa ccagtgtagt gactctttgg ttcattattc gtgttgtttt tatncttagt 60
cantgtgtga cccaacagtg gcaggggtta caaccccctc tcctttcttt tttgtattta 120
tctatttgta ggattgtcag atcaagtaca anatgcccac ttaagtttga a          171
```

<210> 1528
<211> 571
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 545
<223> n = A,T,C or G

<400> 1528
```
aaataacatc aactcacaaa tgacttttag aagccaaata aacatttcta ttttagagaa 60
tagtatgtaa tacataactt aaaagcatat agaacacata ttcctacatt cttaaaaata 120
agagattgtg attccacaga gaattttttca aatatctaaa gtatgtcctg ttaaaccaac 180
aatttgcttc caaacaggag tctctttttga gaagctaaat attaattttc aaacaactat 240
ttctccattt gttaactgga atcattcata ttaaaacaaa ggtctttatg tcaatgtatg 300
ttaatatggc tgaaggctcc agccctgagt tattttttta cttccttaaa ttcataatta 360
caacatatat caatttgagg tatcatgaca aaaacagaaa caaaagacac aatggtagat 420
gagaatctat ctccctgtgg aagaggcaaa attagtgtgg acctcatttt tctgacctat 480
aaaactagga agtataatca cattacttgc gacaattttt tcttctaaaa tgcctgaatt 540
tgaanggaga ctctgccttc tccctgcccg g                                571
```

<210> 1529
<211> 621
<212> DNA
<213> Homo sapiens

<400> 1529
```
ctgacttctt ttcaagttcc cacattagga cattgatcag atgtgaattt ttaattacaa 60
tcggcacttc ttcaaacatg tactcaaagg tgatatttgc tttttttcaat gcttcaggggg 120
aaaaatcctt ttctttacaa acttccatca gtttaggagt cagtctgtat gcctttagtg 180
agagagatcc ttgggcagtt tttatgggat cataaatgag aacgacagat tcttcaatgg 240
catgctggta actaaactga gagtccagga gtgcccgggt aacgaatgag ccatagtatg 300
tggactgata ccagcccacg tgaagatgat caatgtttac atggcgaagg ctccgcatca 360
tttccatctg atattggact tcatcaaagt cagcatcatc ctctgtgtgt tgagggaaag 420
gaaagcagtt ggtaatttca agccgatctt ctacaaccag acccaaaagc actccttgaa 480
caacttcagt tccttgtcct tcttcttgat aatgtttgat tatctttaat accacaaggc 540
```

```
catctatctg cacttgcttc acggctgaat ctcccgagcc gcctttgcct ttgcctttcc 600
ctgctgcgcc ggcggtggag c                                            621
```

<210> 1530
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 290, 323
<223> n = A,T,C or G

<400> 1530
```
aaaaactgat tacagcaaat gaaacacngt tgtctaagtg atatagtata caaaaataac 60
atcttgattt ctgtgaaaat gcatttctct gcaattcctg aatagctcca aattatgcta 120
actctgagca ttgatgttta ctctgggttt tagatttagg tctttgaaaa taatgtgttc 180
taaacctttg ccatcaccat ctatgtgtcc aacatcaaca ctgtgatgaa gttgttcctg 240
tttaggcttt tattccgatt tctctcgaac agccattaac atgcatgttn atctttttgt 300
ttactcccac tcaactgtat gtnct                                        325
```

<210> 1531
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 593, 610, 620, 655
<223> n = A,T,C or G

<400> 1531
```
aaaccaatct tccaggagat taatcaatga aatttataag ttttatcaac gtataaaatt 60
tttttcatct tctgggactc atagaataca atctgtgttt ctgaccagtt gaggtagtta 120
aaatagggag ggcttttcta atttcgtatt tgactatttc agaaagaaag gttatctttt 180
actggtgagc acagtcattg ctctgcagat gggctaggat tcaaagaata taacacagtg 240
ttgttatcat aaagagtgtt gaagtttatt tattatagca ccattgagac attttgaaat 300
tggaattggt aaaaaaataa aacaaaaagc atttgaattg tatttggtgg aacagcaaaa 360
aaaagagaag tatcattttt ctttgtcaaa ttatactgtt tccaaacatt ttggaaataa 420
ataactggaa ttttgtcggt cacttgcact ggttgacaag attagaacaa gaggaacaca 480
tatggagtta aatttttttt gttgggattt cagatagagt ttggtttata aaaagcaaac 540
agggccaacg tccacaccaa attcttgatc aggaccccca atgtcatagg ggngcaatat 600
ctaccaatan ggtagtctcn cagcccttgc cgtgttcgat attccaaaga ctggntttgc 660
tccattccc                                                         669
```

<210> 1532
<211> 199
<212> DNA
<213> Homo sapiens

<400> 1532
```
ggtacaacct gcaaattact tgcagttctg agtttcagat aaaacattat aaaacattaa 60
attcaataca tactgctcct ttgaaatttg ggtaaaaaat tgtacaaccg tatatatagt 120
cattttgta tttttctat gttgtgaaaa ccaaaattgt aattttataa gtctttgatt 180
```

```
cactaaaatt atataattt                                               199
```

```
<210> 1533
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 53, 56, 69, 98, 101, 122, 131, 146, 162, 177, 194, 211, 301
<223> n = A,T,C or G

<400> 1533
tttttttttt ttttttttcc ttggaccata aatttttatt ggcaggtcag ganaanagcc 60
gggggtaana gtcccttcct tcccatccct ctacccanaa nacaccctcc aaaggacagc 120
anaagcccca nagcctgctg cctcanagga ccttggaggc anacaaattg ttgtagngat 180
cttcctgtcc ctcnagcagg ctgcggtagg nggcaatctc ctgctccagc cgcgacttga 240
tgtccatgag ccgctggtac tcctgattct gccgctcact atcagctcgc acatcgccca 300
n                                                                  301

<210> 1534
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 435
<223> n = A,T,C or G

<400> 1534
ccaccacatc tttattgcat actcaggtga ataacttatt atacaatgaa cactcctcca 60
ttaggagacc atgcccactt acagaatgca gccgtaaatg cggtaaatct atttacagag 120
gttggggtgc aagatgagag aagtatcagc cccaggaatt tgaagtgaga atgatctaca 180
aattctcctg acaaggagca accgggcttg tgctagtgag gtctgaaaga attcctggca 240
gagcgtaggg ggagattaga tctcggaatt gacagcaagt ttggggacag tgcaagaaga 300
gaggggtgac ctgtgaattg gtgctgggga gctgctgagg cccaatgtga ggcagcacta 360
gagagatgag taaatttagg gtgatcttta gcctctccta cccaggcaag aagggttggg 420
gagcggggggt gccancaagt tggcttccag                                  450

<210> 1535
<211> 451
<212> DNA
<213> Homo sapiens

<400> 1535
aaaaaaaaaa tcaaaggcaa tcattctaaa tgtactatga tagcatgtta aagatgcaag 60
tatgctatag aaccaaagta atatgaacag cactactcat tacctaggag aaaggtgact 120
ggttttcaca caaagctaag cctgtaacag tcatcctaat cacaatggct tataaaagca 180
tcaggtttcc agtagagaaa ctattctagg aaagtcagta aatctcttga aagtttcaca 240
tctgtaaaac caggataagg ctacaactat tttgaaatct gaacaaggta tcagatgaaa 300
gagtaagatt cccagccata atgtaagata gaaaggtcct catgcagcat atgctcgctg 360
gctccgggaa ggcttcacgt gcataataca gaagttgcca aagaaggaaa ctggagacgt 420
tcagctacat ttccatggtg ccgtgaattt t                                 451
```

```
<210> 1536
<211> 365
<212> DNA
<213> Homo sapiens

<400> 1536
ccacagctaa catcattgca gcacctttac tccttcggct ttttgccagc accaacattg 60
gcctttgcag tcccctgac tttcttcatt ctgttcttgc gttccttcg ttgctttcct 120
gaggtctttt tcttctcata caggccatgt cttgcaagtc tatgtttggg ttcatttttc 180
tttgcataat ccagggaatc ataaatcatg ccaaagccag ttgtcttgcc accaccaaaa 240
tgagttctga atccaaatac gaagatgaca tccggtgtgg tcttgtacat tttggctagt 300
ttttcccgaa tttctgtctt aggcactgtc gccttcccgg ggtgaaggac atcaatgacc 360
atttg                                                            365


<210> 1537
<211> 263
<212> DNA
<213> Homo sapiens

<400> 1537
ctgttgcaca cttggactgt caccttctcc aggctggcag ttgatatctt attttttttc 60
caactcattt ttattaaaaa aataaaaaaa tgctccaact atcagcttta caaaatctct 120
aagggaaaca caagagcaag gtgctgaggt aaaaacacct gaggtagctt cttctgtgtg 180
tttttctcgt taaaaaaatc tgtgaattta acgccctggg ccaacaacct tggtaaattt 240
ctactttcct ccacatttt ttt                                          263


<210> 1538
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 28, 39, 45
<223> n = A,T,C or G

<400> 1538
ccagagtgac caggctgacc agcaccancc ctgatccana tgcanaggcc aggatgtggg 60
cccagccctg tgccaggagg ctggctggaa taaaggtaca gatagaggcc tcacccctc 120
tgggaccact ggcactcagg gtgtttgcag cctcagagcc cacctgcccc cagggccaca 180
g                                                                181


<210> 1539
<211> 341
<212> DNA
<213> Homo sapiens

<400> 1539
catcatcgat gtggccccct tggacgttgg tgccccagac caggaattcg gcttcgacgt 60
tggccctgtc tgcttcctgt aaactccctc catcccaacc tggctccctc ccacccaacc 120
aactttcccc ccaacccgga aacagacaag caacccaaac tgaacccccct caaaagccaa 180
aaaatgggag acaatttcac atggactttg gaaaatattt tttcctttgc attcatctct 240
caaacttagt ttttatcttt gaccaaccga acatgaccaa aaaccaaaag tgcattcaac 300
```

```
cttaccaaaa aaaaaaaaaa aagaataaat aaataacttt t                    341
```

```
<210> 1540
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 26
<223> n = A,T,C or G

<400> 1540
ctgccgacgg agagtctcat tttggnaagt atccgagcaa aaccaaaaca aaacaaaaac 60
caaataaaat ggtggtttag cagagacgcg cacattcaca ttgcacaagg cactgctggg 120
gcacagaggc cagatacaag tgttgatatc ggctggtaaa gcaaaatatt tggaaagctt 180
gtcataactc cggtccctct gggatggact gatcgtgctt cgtgttccta            230
```

```
<210> 1541
<211> 507
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 449, 457, 464, 467, 468, 472, 476, 482, 484, 488, 489, 490,
491, 495, 496, 497, 498, 499, 501, 502, 504
<223> n = A,T,C or G

<400> 1541
tgttattgct gttattgtgg ttgtggtgat agcagttgtt gctggaattg ttgtgctggt 60
tatttccaga aagaagagaa tggcaaagta tgagaaggct gagataaagg agatgggtga 120
gatgcatagg gaactcaatg cataactata taatttgaag attatagaag aagggaaata 180
gcaaatggac acaaattaca aatgtgtgtg cgtgggacga agacatcttt gaaggtcatg 240
agtttgttag tttaacatca tatatttgta atagtgaaac ctgtactcaa aatataagca 300
gcttgaaact ggctttacca atcttgaaat ttgaccacaa gtgtcttata tatgcagatc 360
taatgtaaaa tccagaactt ggactccatc cgttaaaatt atttatgtgt aacattcaaa 420
tgtgtgcatt aaatatgctt ccacagtcna aaacagnacc aaanaannca cngaanaaaa 480
ancntacnnn naaannnnna nngnttg                                     507
```

```
<210> 1542
<211> 371
<212> DNA
<213> Homo sapiens

<400> 1542
gagaaactgt gtgtgagggg aagaggcctg tttcgctgtc gggtctctag ttcttgcacg 60
ctctttaaga gtctgcactg gaggaactcc tgccattacc agctcccttc ttgcagaagg 120
gaggggggaaa catacattta ttcatgccag tctgttgcat gcaggctttt tggcttccta 180
ccttgcaaca aaataattgc accaactcct tagtgccgat tccgcccaca gagagtcctg 240
gagccacagt cttttttgct ttgcattgta ggagagggac taagtgctag agactatgtc 300
gctttcctga gctaccgaga gcgctcgtga actggaatca actgcttcag ggaaaaaaaa 360
aaaaaaaaaa a                                                     371
```

```
<210> 1543
<211> 245
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 38, 45, 88, 101, 146, 216, 229, 245
<223> n = A,T,C or G

<400> 1543
tctttctga aaaaaaaaaa aaaagggaaa aaaaaaangc ttgtncaaaa aaactttttt 60
ttgccatcca tcctgtgcaa tatgccgngt aaaatatttg ncttaaaatt caaggccaca 120
aaaacaatgt ttgggggaaa aaaaanaaaa aatcatgcca gctaatcatg tcaagttcac 180
tgcctgtcaa attgttgata tataccttct gtaaanaact ttttttgana aggaaataaa 240
atcan                                                           245


<210> 1544
<211> 98
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 25
<223> n = A,T,C or G

<400> 1544
ctgactaaac ttttttctg taccngttaa tttttccaac tactaataga ataaaggcag 60
ttttctaaac ttccaaaaaa aaaaaaaaa aaaaaaag                          98


<210> 1545
<211> 446
<212> DNA
<213> Homo sapiens

<400> 1545
aaaaaataca ccacacgata caactcaata caggagtatt tcttctcaaa ttcttctagc 60
accatcaaca ttcttcaagt atctgaaata ctattaatta gcacctttgt attatgaaca 120
aaacaaaaca aggacctcag ttcatctctg tctaggtcag cacctaacaa tgtggatcac 180
actcatggga aagtgttttg aggtagttta aacctttgga agtttgggtt ttaaacttcc 240
ctctgtggaa gatattcaaa agccacaagt ggtgcaaatg tttatggttt ttatttttca 300
atttttattt tggttttctt acaaaggttg acattttcca taacaggtgt aagagtgttg 360
aaaaaaaaat tcaaattttt gggggagcgg gggaaggagt taatgaaact gtattacaca 420
atgctctgat caatccttct ttttct                                     446


<210> 1546
<211> 277
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 11, 27, 88, 170
```

```
<223> n = A,T,C or G

<400> 1546
cctgagggga naccaccttc tgatganaac caacccctag ctaccactct gtattcatca 60
ggggaggggt ataaacccca catgcaanaa gaacccttgc ccccagtgtc aaatgggatg 120
gggatgctag agttatagta aaggggaaac cctatgtaag ctgttaacan agttcacagg 180
ggtagggata accccctgttc tccagctccc aaatgtgctc actttcccag cttcttcatc 240
cgttcatcaa tgctggcaaa gttcccctca actgtgg 277


<210> 1547
<211> 365
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 28, 48, 49, 51, 58, 73, 82, 83, 84, 89, 90, 104
<223> n = A,T,C or G


<400> 1547
caacagtcgc tccctggacc tggacggnat catcgctgag gtcaaggnnc ngtatganga 60
gatggccaaa tgncacccgg cnnnaggtnn aaccctggta ccanaccaag tttgaggccc 120
tccaggccca ggctgggaag catggggacg acctccggaa tacccggaat gagatttcag 180
agatgaaccg ggccatccag aggctgcagg ctgagatcga aaacatcaag aaccagcgtg 240
ccaagttgga ggccgccatt gccgaggctg aggagcgtgg ggagctggcg ctcaaggatg 300
ctcgtgccaa gcaggaggag ctggaagccg ccctgcagcg ggccaagcag gatatggcac 360
ggcag 365


<210> 1548
<211> 423
<212> DNA
<213> Homo sapiens


<400> 1548
aaaaaaaact gatattaaat gtgacacttc agagctacta ctggaaggag taattcgtaa 60
cttccctacc ctccttccat ccctgctgat tcaggagaag ggggaaaaaa caaagaaaac 120
aaaacgaaaa accaaccagg gtctcttgta gatttgctgc tattccacaa aatgttggca 180
tttgctgcca tgccacaatg ttggtccact gaaataggat ttctgcggaa actgtcaaca 240
gtagtaattc accatatgca agtaccatcc ttatcatgcg agaataatca caggttctgt 300
agaaatgtac aatgtgctta agataatgaa aattgtagcg ctgcatctga gatttatttc 360
tctacttagc tagtaaaact tgtcattttt gctcacttaa gtatgatcat ttgtgattcc 420
ttt 423


<210> 1549
<211> 374
<212> DNA
<213> Homo sapiens


<220>
<221> misc_feature
<222> 113, 170, 199, 201, 216, 226, 231, 234, 236, 246, 252, 253,
257, 259, 263, 274, 276, 280, 287, 293, 310, 340, 360, 362,
368
<223> n = A,T,C or G
```

<400> 1549
aaatagcatt tatctcagtt ggctctatgc cagttggtct tggtattggg gtaaggggt 60
attgcaggta aaaagaggtg aagcagattc tggctttcag tttcttagct canaaattcc 120
agcaatccct gtagttcttt gcatcccctc accacctctg gaatagaaan cagggtctta 180
taaatatgct gaaccatgnc ntctaatttt tctaanctct ttgcanaacc nccnanggtt 240
ttcctntagg annttttntnt ggntctggac ctgnancatn agtttncct tcncattttt 300
catctccagn aacatcctct cagtttgccc acctcctgan agagccacac tttctcctgn 360
anccaatngg gggg 374

<210> 1550
<211> 341
<212> DNA
<213> Homo sapiens

<400> 1550
agaggattga gtaagtagtt ggatggcttt cataaaaaca agaattcaag aagaggattc 60
atgctttaag aaacatttgc tatacattcc tcacaaatta tacctgggat aaaaactatg 120
tagcaggcag tgtgttttcc ttccatgtct ctctgcacta cctgcagtgt gtcctctgag 180
gctgcaagtc tgtcctatct gaattcccag cagaagcact aagaagctcc accctatcac 240
ctagcagata aaactatggg gaaaacttaa atctgtgcat acatttctgg atgcatttac 300
ttatctttaa aaaaaaaaag gaatcctatg acctgatttg g 341

<210> 1551
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1551
aaatccttga ggggtacagc atcactcgga ttctgtgtcc aatggcctta gcaggaagat 60
tgcttcggaa tttggcacga accatgccac tgtttccatg ggcccgagtt actttttcccc 120
agatgactct ggttttgttt ggtttgccgc caggagtgac tgtgttgttc tttgctttat 180
atacataagc gcatctcttg cccaaataga attctgtttc atctcgggcg taaacacctt 240
caattttaag aagagctgtg tgctcccttt ggttccggag accccgctta tagccagcaa 300
aaatggcctt g 311

<210> 1552
<211> 345
<212> DNA
<213> Homo sapiens

<400> 1552
ctgctgcctt catattgaag gttttgagt tttgttttg gtcttaattt ttctccccgt 60
tcccttttg tttcttcgtt ttgtttttct accgtccttg tcataacttt gtgttggagg 120
gaacctgttt cactatggcc tcctttgccc aagttgaaac aggggcccat catcatgtct 180
gtttccagaa cagtgccttg gtcatcccac atccccggac cccgcctggg accccaagc 240
tgtgtcctat gaaggggtgt ggggtgaggt agtgaaaagg gcggtagttg gtggtggaac 300
ccagaaacgg acgccggtgc ttggaggggt tcttaaatta tattt 345

<210> 1553
<211> 386
<212> DNA
<213> Homo sapiens

<400> 1553
cactctcctg ttgactattt ccagagctct aggtgtttag gcagcgtgtg gtgtctgaga 60
ggccatagcg ccatcatggg ctgattttta ttaccaggtc ccccagaagc aggtgggagg 120
ctctgcttcc tgctgccgct ctgcagcctg gacctgtgga ccctggttgt aaagagtaaa 180
ttgtatctta ggaaaccagt gtcacctttt tttcaccttt taattttata ttatttgcgt 240
catacatttc ctgtaacgga agtgttaatt ttactgtact ttttggtacc ttttgggaat 300
ctaatgtatt gtaaggtatt ttacacgtgt cctgattttg ccacaacctg gatattgaag 360
ctatccaagc ttttgaaata aaattt 386

<210> 1554
<211> 239
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 40, 86, 140, 184, 223, 239
<223> n = A,T,C or G

<400> 1554
cttttctgaa aaaaaaaaaa aaaaaaaaaa aaagcttgtn caaaaaaact tttttgcca 60
tccatcctgt gcaatatgcc gtgtanaata tttgtcttaa aattcaaggc cacaaaaaca 120
atgtttgggg gaaaaaaaan aaaaaatcat gccagctaat catgtcaagt tcactgcctg 180
tcanattgtt gatatatacc ttctgtaaat aactttttt ganaaggaaa taaaatcan 239

<210> 1555
<211> 358
<212> DNA
<213> Homo sapiens

<400> 1555
ctgggtcaca tccatccctc cattcatcct tccatccatc tttccatcca ttacctccat 60
ccatccttcc aacatatatt tattgagtac ctactgtgtg ccaggggctg gtgggacagt 120
ggtgacatag tctctgccct catagagttg attgtctagt gaggaagaca agcattttta 180
aaaaataaat ttaaacttac aaactttgtt tgtcacaagt ggtgtttatt gcaataaccg 240
cttggtttgc aacctctttg ctcaacagaa catatgttgc aagaccctcc catgggggca 300
cttgagtttt ggcaaggctg acagagctct gggttgtgca catttctttg cattccag 358

<210> 1556
<211> 309
<212> DNA
<213> Homo sapiens

<400> 1556
cctataattc ctaccttgac tgtgtgcatc atttgtaagc tagcagatct atgtggtgaa 60
aatgcacagg agcttggtag actgcggggg aaagagagag ctcctttcgc catgtttac 120
cagtctgctg ttataacctc ttaggttgta tcctttaatt ccagcctttt ·taggttagtt 180
tctgtaacag aacaagtgag tctgggatga agtcctcaaa gtacttcaaa tggtaattgt 240
tttgtttttg taatagctta acaaataaac ctaggttttc caaaaaaaaa aaaaaaaaa 300
aaaaaaaaa 309

<210> 1557
<211> 152
<212> DNA

<213> Homo sapiens

<400> 1557
tttaaaaatt gaaaaaagtg gaaaacatct ttgtacattt aagtctgtat tataataagc 60
aaaaagattg tgtgtatgta tgtttaatat aacatgacag gcactaggac gtctgccttt 120
ttaaggcagt tccgttaagg gtttttgttt tt 152

<210> 1558
<211> 371
<212> DNA
<213> Homo sapiens

<400> 1558
ccatagctgt aataacaatg acaacagtag gtaacggtag tcataccaac agtagggcag 60
tgcatttttat attacaactg gtttcttgct ctagtaggct tggggatggg tgaagacgga 120
cagggctggc gcagacccttt tccttctcct ctccagccca cagtgatctg ggcttttaca 180
agacagcctg cttccattca gtagtgtggg aaagttcctt cttggcttag caataccect 240
gagaccttgt tcagtgggct gtgtctctcc ctgggatgct gggagcacca agtgtggccg 300
agctagggct gctgacttcc tctgggcgcc tctgggctgc gagggtctct tacaggaatt 360
gaggcccttt g 371

<210> 1559
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 24, 25, 104, 349, 350, 396, 399
<223> n = A,T,C or G

<400> 1559
aaaaaattta actccatatg tgtnnctctt gttctaatct tgtcaaccag tgcaagtgac 60
cgacaaaatt ccagttattt atttccaaaa tgtttggaaa cagnataatt tgacaaagaa 120
aaatgatact tctctttttt tgctgttcca ccaaatacaa ttcaaatgct ttttgtttta 180
ttttttttacc aattccaatt tcaaaatgtc tcaatggtgc tataataaat aaacttcaac 240
actctttatg ataacaacac tgtgttatat tctttgaatc ctagcccatc tgcagagcaa 300
tgactgtgct caccaggtaa aagataacct ttctttctga aatagtcann atacgaaatt 360
agaaaagccc tccctatttt aactacctca actggncang aaacacagat tgggttct 418

<210> 1560
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 420
<223> n = A,T,C or G

<400> 1560
cttagagtct tttgtgccat aatgcagcag tatggaggga ggattttatg gagaaatggg 60
gatagtcttc atgaccacaa ataaataaag gaaaactaag ctgcattgtg ggttttgaaa 120
aggttattat acttcttaac aattctttt ttcagggact tttctagctg tatgactgtt 180

```
acttgacctt ctttgaaaag cattcccaaa atgctctatt ttagatagat taacattaac 240
caacataatt tttttttagat cgagtcagca taaatttcta agtcagcctc tagtcgtggt 300
tcatctcttt cacctgcatt ttatttggtg tttgtctgaa gaaaggaaag aggaaagcaa 360
ataccgaatt gtactatttg taccaaatct ttgggattca ttggcaaata atttcagtgn 420
ggtgtgttat taaataagaa aaaaaaaaat tttgtttcct aggttgaagg tctaattgat 480
acgtttgact tatgatgacc atttatgcac tttcaaatga atttgctttc aaaataaatg 540
aagagcag                                                        548
```

```
<210> 1561
<211> 311
<212> DNA
<213> Homo sapiens

<400> 1561
aaatgtcatt ggaaaagttt tattgaaaaa aaatgtacaa ataagttctt ggattgatag 60
caacaaaggc tcatgttccc ccttccctcc ctatctttga agaactaaaa aaggaagaaa 120
caaaacaaaa agctcatccc cacaacgcca gacacgatgc ttcttgacca gagtcttccc 180
agaagcccct cctgggagct ccttctcaat ccgcctcact gcggccaggt cattctgggg 240
gtgcctggtc ccaggggctg cagcgcctag ttttatagtt gggagaggtt gggatagagc 300
tggggaggca g                                                    311
```

```
<210> 1562
<211> 266
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 40, 92, 95, 143, 152, 236
<223> n = A,T,C or G

<400> 1562
ataatggact tttctgtaag aatgtaaaac tcaaaaattn gccaagtatg tatctgatcc 60
acacaaatcc ttagaaaggt tttctgtgta gnctncatta acgcaaatct ttgggaatgt 120
ttcactctta ctgtagagat ctngaatatg cntcacaata atgaagctac aaagttttta 180
tgcagtgcat tcattgtaaa ctataaataa catttgtatt aaaaggaaag ctgggnaata 240
caaaaatagg agagactctg aggagc                                    266
```

```
<210> 1563
<211> 78
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 60, 67, 74
<223> n = A,T,C or G

<400> 1563
caaataataa attagttaaa tcagtttctg agttatgcca ctggctgatg aaaagttgan 60
aggtctnttt gcanaatg                                             78
```

```
<210> 1564
<211> 261
```

```
<212> DNA
<213> Homo sapiens

<400> 1564
ctggtaaagg tgactgtaca gatgtgcatt ttccttttgg tataaatggt ccacagcact 60
aactggtaag gcttattgta cagtatattg tcagtattct tctggttcag cataccttat 120
agttcatata taacctgtat taattgtata gattgtgcat taaaagctgt taccaagttg 180
tcagaacata agagcgaaaa caaggtcata tgtaatattt tgtttgtaag tatcctttgt 240
atcatagcaa aggaaatgtt t                                           261

<210> 1565
<211> 322
<212> DNA
<213> Homo sapiens

<400> 1565
ctgactcctt gaatatccag tgtgacccat aaaatagtct gttaataccg gatcttaatt 60
tttatgttat tcattaagat tttaactata ttcagtacgt aatttggaga caaactagca 120
tcatcaaaac tgcctgtaaa tagggtgttt agtctttcta taaaaacaga ataggcagt 180
tacctaccag ttaaaatatc ttatatgaag aaaatagaat aaagatccag tcatatatgt 240
aaataagatg tactgattgt acgtaaatga aaaatggacc ctttaaaaat tatttttacc 300
tgaagcttgt cataattttt tt                                          322

<210> 1566
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> 296, 299, 331
<223> n = A,T,C or G

<400> 1566
aaagtttgct aaatcttagc acaaatgcag attcccagag ctcttctgat tttgaagttc 60
cctcaactcc agaagctgag ttacctaaac gagagcattt acaatattta tatgagaagc 120
tggcaactgg tgagagtata gcagtcaaaa aaagaaaatg ctcactctta gatacctaag 180
aattcaaagc gtttcaacct agagcaacca ctaaaaaacc tgcacagaga tggcagtcaa 240
tattacaata gagaaaatac agtacttaaa aatgttcaaa taacctggtt gggtgnggng 300
gctcacactt gtaatcccag cactttgagg ngggcaatgg cttgagccca ggagttcgac 360
accagcctgg                                                        370

<210> 1567
<211> 115
<212> DNA
<213> Homo sapiens

<400> 1567
ccaccactca cgtcccaggt gacgtttatg acatgcccgc ctgtcctgtt accccccttgc 60
tcagaaacct tcaggagtta gccaccgccc ataggacaag gttccaaggg gcttt       115

<210> 1568
<211> 181
<212> DNA
```

<213> Homo sapiens

<400> 1568
gctgccccag ggcctgggaa ggaggccgct atgcagggta gcactgggaa caggagaccc 60
acctgaggct cagccctagc cctcagccca cctggggagt ttactacctg gggacccccc 120
ttgcccatgc ctccagctac aaaacaattc aattgctttt tttttggtc caaaataaaa 180
c                                                                181

<210> 1569
<211> 497
<212> DNA
<213> Homo sapiens

<400> 1569
ctgagaaatc taggtggatt catattcgta atcattgatt aacatgcaca tttgggtttg 60
cacatttttg tttatcatac attttttctcc gttttctatt aaagaacatg ctctagggga 120
actattaata gcccaccagt cgggtaggca gcattcaatc cttctatgcc ttctttcgcc 180
acctgttgag gtctttcttc tgaaacaaag aagaaataga caaatcagac ttgccctctt 240
ggaaatgtgg tccagatttc tctactccca agctccaaaa aaggcataca ttggatgggc 300
tagatcaact cctcctgaga gccataaatc cgccaagagt tgttttccat gtaagggtgt 360
ggtacaatgg ggaacgcctg atgttggagg aaagcaggag gactttagag tggagttgca 420
ttctaatctc tctgccgctt caactatgtg acctggggca aatgatataa actctatgag 480
cctctttcct tatctttt                                              497

<210> 1570
<211> 413
<212> DNA
<213> Homo sapiens

<400> 1570
ccacaccagg gaccctgcca gaggccgcag actggcagca gcagcctccc cacacagtgg 60
gggaagagcc actccatccc caaattcaag attagaaaga tccctgactg cttctcaaga 120
tccagaacat tccttgacag agtatattca ccatttagaa gtgatccagc aaagattggg 180
aggggtacta ccagattcta cttcaaagaa atcctgccac ccgatgatta aacagtgaat 240
gaaatgtcat ggctctttcc tgcgacaatt ctatttgagg aaaagatttg ttttttccctt 300
ttcccaagga agctcgtggg acagcatggg cactactctt catgtgcggt gacaccagcc 360
cccagatgcc ttgaattaag tgtcctcacc tttatgcatg actgcaaagc cag          413

<210> 1571
<211> 385
<212> DNA
<213> Homo sapiens

<400> 1571
aaaacattgt caggtgaggc aaatgcacaa gtaatagaaa gcaaagggca aggttcactg 60
aatcacagca gtcagaagaa agtgctttag ggaaccaaga gattgtttcc agcctgaaga 120
ggcatgggtg gcaaatcaga aaaggggatt gagattaaaa tagaagactt cagtctggat 180
tgttgatgac actcagtatg gactatattt gtctctcctt ttcctttctc cccatctttg 240
ggcttaattt acatgtagtg cccaggactg ttcaatgcgc tttttctata cttgcttgca 300
tttttgcttt aatgtcttct acagaactag gtccttttgg tgtttaggga gttttttcct 360
gtttcttgaa ggattcttgt cctttt                                       385

<210> 1572
<211> 155